Lancaster Farming

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1980 Farm Show opens Sunday

To run January 6-11 in Harrisburg

BY CURT HARLER

HARRISBURG — The 64th annual Pennsylvania Farm Show opens at the Farm Show Complex here on Sunday at 1 p.m.

The 1980 Show will continue through Friday January 11. Doors will be open daily from 8 a.m. until 9 p.m.

The Complex is located just off Interstate 81 on Cameron Street.

The Show this year honors the Commonwealth's 59,000 farm families, including 5000 in Lancaster County. Show's theme is "Pennsylvania Farm Families Producning the Finest Quality for Your Table."

Underlining the family farm connection is the scheduled unveiling at the Show's Sunday opening of a new Pennsylvania Farm Product symbol.

The logo and slogan will be presented by Governor Richard Thornburgh during ceremonies which are open to the public.

In past years, the Sunday opening ceremonies were closed to the public and a ticket was required for admission. This year no ticket will be required.

The farm logo will be showcased all week long at Farm Show. It will be used throughout the coming years to identify and promote Pennsylvania farm products.

Unlike last year's show, all classes of livestock will be at the 1980 Show all week long.

The tagging of the 1980 Junior Beef Steer champion, to be announced on Thursday afternoon, will be one of the major highlights of the 64th Pennsylvania Farm Show. Last year's winner, "Moose", was a 1210 pound Angus-Chianina crossbred exhibited by Steve Long, Peach Bottom. Pictured are Steve's brother Sam, at halter, and his parents, Mr. and Mrs. Samuel Long.

Special Farm Show pull-out starts on page D21

About 4200 farm animals — including dairy cows, beef cattle, sheep, swine, and poultry — will be on display. Exhibitors will compete for ribbons and cash awards in numerous classes.

There has been some cutback in the number of livestock to be displayed at the Show. Commercial exhibitors also were cut back by as much as 10 percent of their last year's exhibit space.

Farm Show Director Hugh Coffman said Thursday there were no major problems with the reassignment of space to commercial exhibitors.

He said 245 commercial exhibitors were setting up on the Farm Show floor at that time. All will be agriculture-related exhibits.

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School exhibits discontinued

FHA Chapters drop out of Farm Show

BY DEBRA STRICKLER

LITITZ — Three years ago the Pennsylvania Department of Education made a decision that gravely affected the Farm Show's home economics exhibits.

Specifically, it affected the involvement of a vocational organization, the Future Homemakers of America.

The administrative decision discontinued the school exhibits at the State Show. The open and 4-H classes remained.

As a result of the decision, FHA members have been required to enter their sewing and food projects in the open, adult class competition.

This decision, according to Carolyn Kratz, state home economics supervisor, was purely an administrative decision. The Department of Education needed to put their priorities in the proper perspective.

Understandably many home economics teachers and students were upset when the state ended a vital aspect of the FHA and Farm Show programs.

"I wish home economics teachers could see the situation from another angle. They bought their students' exhibits to the Farm Show, they left, and they didn't realize what was involved," states Kratz.

Kratz cites the staff, its salary, rental costs security, and transportation costs as contributing to the excessive cost of the program.

Staff members were required to work evenings and weekends. This meant time and half time for their wages.

It took a staff of at least 25 people to register and manage the exhibit areas. Now there are only two people on our staff, Glendean Davis and myself, noted Kratz.

Mary Gardner, a Manheim Central home economics teacher explained how area teachers volunteered to assist in the registration of projects and other aspects of the school exhibits.

Their efforts were to no avail. The Department of Education upheld its decision.

Carolyn Kratz offered a second major reason for the withdrawal of the school exhibits.

She maintains the school exhibits were not a state wide FHA project.

"I'd estimate 70 per cent of the participation came from FHA Chapters in the Lancaster - Lebanon County areas. A few entries were

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Gasohol Comm. holds first meeting

EPHRATA — The State Gasohol Commission, Inc. held its first meeting Thursday afternoon on the Miles and Morton Fry farm near here.

A packed greenhouse heard half a dozen speakers address questions ranging from operation of farm stills to financing multi-million dollar alcohol facilities.

About 400 persons from Pennsylvania and neighboring states attended the organizational meeting.

The State Gasohol Commission, according to Board Chairman Edmund Reynolds, will provide a voice for all parties interested in gasohol production.

He said the group will distribute information on gasohol production on the farm and on the factory level.

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Canadian questions legality

Bucks-Mont broiler growers iced by chicken cartel

BY DICK WANNER

SOUDERTON — A complicated snaggle of government regulations and a kind of chicken cartel have frozen sales to a major market for broiler growers who were selling their birds through the Montgomery-Bucks Farm Bureau in Souderton.

And the situation doesn't look like its going to get much better soon, according to Robert Day, part-owner and secretary-treasurer of Maple Lodge Farms, Canada's largest independent processor of chickens.

Maple Lodge has been buying U.S. chicken for a number of years from Montgomery-Bucks and suppliers in other states including Delaware, New Jersey, Indiana and Michigan. Day said Canadian chicken growers just do not produce enough broilers to meet consumer demands.

Michael Zapach, who heads up Montgomery-Bucks, said the co-op members have been selling

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Livestock market and auction news

Lancaster Market

Monday, December 3

	Cattle	Calves	Hogs	Sheep
Today	474	61	625	0
Last Monday	170	19	1150	13
Last Year	HOLIDAY			
Monday's Auction	480	63	891	0
Last Monday's Auction	196	23	2247	13

CATTLE: Compared to last Wednesday slaughter steers weak to 50 lower; heifers not tested; cows weak to 1.00 lower; bullocks firm to 1.00 higher; small supply bulls fully 1.00 higher. Supply included 72 per cent slaughter steers and 19 per cent cows.

SLAUGHTER STEERS: Few head Prime 3-4 1100-1250 lb. 70.00-72.60; load high Choice and Prime 3-4 few 5 1325-1470 lb. 65.00-69.60; Choice 2-4 1050-1250 lb. 69.75-71.50; Choice 3-4 1300-1425 lb. 67.75-70.00; high Good and low Choice 2-3 65.00-69.50; Good 2-3 62.50-66.50; few Standard 1-2 58.00-61.50.

COWS: Utility and Commercial 1-3 50.25-53.50, few 53.50-55.75; Cutter 1-2 50.00-53.00, few 53.00-53.75; Commercial 3-4 46.25-49.50.

BULLOCKS: Choice 1000-1350 lb. 66.00-70.00, couple 70.00-71.00; couple Good 1000-1100 lb. 63.75-64.35.

BULLS: Yield grade 1 1100-1800 lb. 66.50-70.00, around 10 head 71.50-74.25; yield grade 2 1000-1300 lb. 64.00-66.00, couple 850-950 lb. 55.50-55.75.

VEAL CALVES: Vealers mostly steady, although Choice and Prime not fully tested. Demand good for calves returned to farm.

VEALERS: Few Choice 150-250 lb. 95.00-105.00; high Good and 120-220 lb. 90.00-98.00, 90-115 lb. 68.00-80.00, few 55-85 lb. 55.00-70.00.

RETURNED TO FARM: Few 90-115 lb. Holstein bulls 110.00-127.50.

SHEEP: None.

Vintage Livestock

No sale due to holiday.

Lancaster Auction

Wednesday, January 3

	Cattle	Calves	Hogs	Sheep
Today	648	72	1233	63
Last Wednesday	488	162	1661	22
Last Year	854	96	1135	14
Wednesday's Auction	571	78	1017	63
Last Wednesday's Auction	411	162	1671	22

CATTLE: Compared to Monday slaughter steers weak to 50 lower with weights over 1250 lbs. mostly 50 lower; slaughter heifers and bulls not fully tested; cows fully steady.

SLAUGHTER STEERS: High Choice and Prime 2-4 1050-1250 lb. 69.75-72.00, few 72.00-72.50; few head Choice 2 1050-1300 lb. 72.50-73.50; high Choice and Prime 3-4 1275-1425 lb. 68.00-70.50; Choice 2-4 1000-1250 lb. 69.00-70.50, 1250-1425 lb. 67.50-69.50; high Good and low Choice 2-3 65.50-68.50; load Choice 1400-1475 lb. Holsteins 61.35-61.60; Good 2-3 1000-1225 lb. 62.00-66.50; Standard 1-2 57.50-60.00.

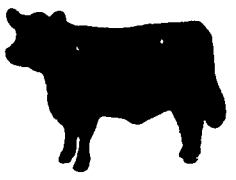
COWS: Utility and Commercial 1-3 51.00-54.50, few 55.00-57.00; Cutter 1-2 50.50-53.75, few 54.00-56.50; Canner and low Cutter 46.50-50.00.

BULLS: Few yield grade 1 1300-1800 lb. 70.00-72.50; load yield grade 2 1100-1200 lb. 62.00-64.50.

VEAL CALVES: Vealers fully steady, demand good for Holstein bulls to return to farm.

VEALERS: One lot Choice and Prime 280-320 lb. 122.00, few Choice 150-250 lb. 101.00-110.00; high Good and low Choice 120-230 lb. 85.00-100.00, 90-115 lb. 60.00-80.00, few 55-85 lb. 55.00-75.00.

SHEEP: 50 head Choice and Prime 95-105 lb. wooled lambs 70.00-72.00. One lot Utility 120 lb. slaughter ewes 36.00.



New Holland Livestock

Thursday, January 3

CATTLE: 925. Compared to last Thursday slaughter steers steady to weak, instances 50 lower; slaughter heifers not fully tested; cows mostly steady, instances 1.00 higher than late sales of last week; bulls mostly steady. Supply included 34 per cent slaughter steers, 10 per cent bulls and 51 per cent cows.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1100-1325 lbs. 70.50-72.00; Choice mainly 2 1050-1325 lbs. 71.25-72.50; Choice 2-4 1000-1250 lbs. 69.00-71.50, 1250-1400 lbs. 68.00-70.00; 80 head mostly Choice 2-3, few 4 1050-1300 lbs. 69.25-72.85, mainly 71.50-72.50; Choice 4-5 1150-1425 lbs. 63.75-66.50; high Good and low Choice 2-3 66.00-68.75; Good 2-3 61.00-66.50, few Standard 1-2 57.50-61.50.

SLAUGHTER HEIFERS: Few Choice 770-920 lbs. 64.75-68.50.

COWS: Utility and Commercial 1-3 50.50-54.75, few 55.00-56.25; few early sales Commercial 3-4 49.00-50.50; Cutter 1-2 49.00-53.00, several 53.50-54.50; Canner and low Cutter 45.75-49.00.

BULLOCKS: Few Good and Choice 1000-1250 lbs. 67.00-69.10, couple 71.00-71.75.

BULLS: Yield grade 1 1100-1800 lbs. 66.00-70.00, few 70.00-71.50; yield grade 2 1000-1350 lbs. 60.76-64.75.

VEAL CALVES: 775. Vealers steady to 5.00 lower. Demand good for calves returned to farm.

VEALERS: Few Prime 280-320 lbs. 122.00-126.00; Choice 120-275 lbs. 96.00-110.00, several 110.00-119.00; high Good and low Choice 130-260 lbs. 78.00-100.00, 90-115 lbs. 68.00-75.00, 60-90 lbs. 60.00-68.00.

RETURNED TO FARM: Bulk 90-115 lbs. Holstein bulls 98.00-110.00, few 110.00-122.00, few 80-95 lbs. 79.00-100.00; few 90-120 lbs. Holstein heifers 85.00-115.00, few 115.00-130.00.

SHEEP: 4. No market test.

Lancaster Weekly

Friday, January 4

	Cattle	Calves
This Week	2300	925
Last Week	1518	1028
Last Year	2777	1216

CATTLE: Slaughter steers weak to .50 lower, instances 1.00 lower; heifers not fully tested; cows mostly steady; bulls steady. Supply included 44 per cent slaughter steers, 31 per cent cows, 7 per cent bulls, 4 per cent heifers with the balance feeder steers.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1100-1325 lbs. 69.75-72.60, load high Choice and Prime 3-4, few 5, 1325-1470 lbs. 65.00-69.60; Choice mainly 2 1050-1325 lbs. 71.25-72.50, few head 72.50-73.50; Choice 2-4 1000-1250 lbs. 69.00-71.50, 1250-1400 lbs. 67.75-70.50; Choice 4-5 1150-1425 lbs. 63.75-66.50, high Good and low Chioce 2-3 65.50-69.00, Good 2-3 61.00-66.50, Standard 1-2 57.50-61.50.

SLAUGHTER HEIFERS: Few Choice 2-3 770-920 lbs. 64.75-68.50.

COWS: Utility and Commercial 1-3 50.50-54.75, few 55.00-57.00, few Commercial 3-4 49.00-50.50, Cutter 1-2 49.00-53.00, few 53.50-54.50, Canner and low Cutter 45.75-49.50.

BULLOCKS: Choice 1000-1350 lbs. 68.00-70.00, couple 70.50-71.75; Good 1000-1100 lbs. 63.75-64.35.

BULLS: Yield Grade 1 1300-1800 lbs. 66.00-70.00, around 15 head 70.50-74.25; Yield Grade 2 1000-1300 lbs. 60.75-66.00, few 850-950 lbs. 55.50-57.50.

VEAL CALVES: Vealers mostly steady, demand good for calves returned to farm.

VEALERS: Prime 280-320 lbs. 122.00-126.00; Choice 120-275 lbs. 96.00-110.00, several 110.00-119.00; high Good and low Choice 120-230 lbs. 78.00-100.00, 90-115 lbs. 65.00-75.00, few 75.00-80.00, 55-85 lbs. 55.00-70.00.

RETURNED TO FARM: Bulk 90-115 lbs. holstein bulls 95.00-110.00, few 110.00-125.00, several 80-95 lbs. 79.00-100.00; 90-120 lbs. holstein heifers 85.00-115.00, few 115.00-130.00.

Lancaster Feeder Cattle

Lancaster, Pa.
Friday, December 28

	Feeder Cattle
Today	165
Last Friday	452
Last Year	374

TREND: Insufficient volume for a market test.

FEEDER CATTLE: One lot Medium Frame Number 1 940 lbs. 71.35; one lot 780 lbs. 72.50; few head 520-650 lbs. 73.75-76.75; one lot 475 lbs. 80.00. 12 head Large Frame Number 2 1130-1270 lbs. Holsteins 55.25-56.85.

Joliet Cattle

Thursday, January 3

CATTLE: Friday through Wednesday's salable receipts 4,100; 4 days last week 2,907, same period a year ago 3,989. Trading moderate to moderately active for the week. Slaughter steers and heifers mostly 50 lower than Wednesday of last week, except for a few sales late Wednesday 1.00 lower. Cows 1.00 to 2.00 higher than Wednesday of last week.

SLAUGHTER STEERS: Mixed high Choice and Prime 3-4 1150-1300 lbs. 68.75-69.00, except for a couple loads late Wednesday 68.25-68.50. Choice 2-4 1050-1300 lbs. 67.50-68.75. Mixed Good and Choice 2-3 1000-1250 lbs. 66.50-67.50. Load mixed Good and Choice Holsteins 1591 61.50 Monday.

SLAUGHTER HEIFERS. Mixed Choice and Prime 3-4 950-1100 lbs. 1 load 67.00, 1 load 67.25 Monday; 67.00-67.50 Wednesday. Choice 2-4 900-1150 lbs. 66.00-67.00. Mixed Good and Choice 2-3 800-1000 lbs. 65.00-66.00.

COWS: Utility & Commercial 1-3 48.00-51.00.

New Holland Horse

Monday, December 31
New Holland Sales Stables

Reported receipts of 340 head of horses, mules, and ponies. Market stronger than two weeks ago.

Load of local driving horses 275.00-1160.00; load of local riding horses 250.00-475.00; better horses 525.00-700.00; lightweight killers 275.00-425.00; heavyweight killers 450.00-650.00; mares 30.00-65.00; colts 10.00-25.00; geldings 30.00-60.00; larger ponies 100.00-175.00.

B & R CATTLE CO.
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Office Phone: (717) 653-8164
Specializing In Stockers & Feeders
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Ph: (717) 653-5728
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1 mile East of Fredericksburg along Route 22
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Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs.
Also Hay Sale every Tuesday at 12:30.

HAY, STRAW & CORN — SALE —
Every Friday at 12 Noon

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VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
HOG AUCTION — SATURDAY 9:30 A.M.
STOCKER & FEEDER — FRIDAY 11:00 A.M.
NEXT FEEDER PIG SALE — JAN. 8, 1980
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HOG SALES WEEKLY:
WED. & SAT. - 9 A.M.
HAY & STRAW SALE
EVERY THURSDAY - 12:30 P.M.
Get calves in early for grading & weighing. No weight loss.
FOR MARKETING INFORMATION
PHONE 717-768-8204
HOME PHONE 215-458-5060
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10 miles East of Lancaster on Rt. 30

NEW HOLLAND The Action Auction
AUCTIONS make the difference in marketing livestock!
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MONDAY'S AUCTION:
8:00 A M - Fat Hogs
10 00 A M - Horse Sale
11:00 A M - Hay, Straw & Ear Corn
1.30 P M - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION:
12:00 Noon - Dairy Sale
1.00 P.M - Feeder Pig Sale
THURSDAY'S AUCTION:
11.00 A M - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
4:30 P M -Calf Sale
NEW HOLLAND SALE STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager Phone: 717-354-4341

Hog Markets

New Holland Feeder Pigs

New Holland, Pa.
Wednesday, January 2

	Feeder Pigs
Today	2302
Last Wednesday	945
Last Year	1437

Compared to last Wednesday feeder pigs 15.00-20.00 lower, extremes 25.00 lower. All pigs weighed on arrival and sold by the hundred weight.

US 1-2 263 head 29-39 lbs. 38.00-45.00; 1130 head 40-59 lbs. 40.00-49.50; 297 head 60-91 lbs. 36.00-41.50.

US 2-3 236 head 27-99 lbs. 33.00-40.00.

New Holland Hogs

New Holland, Pa.
Monday, December 31

	Hog Auction
Today	1610
Last Monday	1291
Last Year	1033

TREND: No trend available; market not reported last Monday due to Holiday.

BARROWS AND GILTS: US 1-2 200-240 lbs. 41.00-41.75, Several early 41.75-42.10; Few Selected US 1 205-235 lbs. 42.60-43.25; US 1-3 210-260 lbs. 40.00-40.75; Several US 1-2 130-180 lbs. 36.00-40.00.

Lancaster Hogs

Saturday, December 29

820 head.

US 1 200-235 lbs. 44.00-46.00; 1&2 200-240 lbs. 42.00-42.85; 2&3 200-250 lbs. 40.75-41.75; heavyweight 269-280 lbs. 38.50-40.00.

Monday, December 31

HOGS: Barrows and gilts 1.50 lower.

BARROWS AND GILTS: US 1-2 200-250 lbs. 41.50-42.00, few 42.00-42.25; US 1 205-250 lbs. 42.50-43.50; US 1-3 220-260 lbs. 40.50-41.50.

Wednesday, January 2

HOGS: Barrows and gilts weak to 50 lower.

BARROWS AND GILTS: US 1-2 200-250 lbs. 40.75-41.60, few 41.75-42.00; US 1 210-245 lbs. 42.50-43.00; US 1-3 220-255 lbs. 40.00-41.00.

St. Louis Hogs

Thursday, January 3

HOGS: 7000 - Barrows & gilts moderate, steady to 50 lower. US 1-2 200-240 lbs. 37.50-38.00; US 1-3 230-250 lbs. 37.00-37.50.

SOWS: Steady to 1.50 lower, most decline on wts. over 500 lbs. (About 12%). US 1-3 300-450 lbs. 32.00-32.50; 450-500 lbs. 32.50-33.00; Over 500 lbs. 33.50-34.50.

BOARS: Over 350 lbs. 32.00; under 250 lbs. 25.00-26.00.

Vintage Hogs

Paradise, Pa.
Sat., December 29, 1979

Total 709 head. All prices per hundredweight.

No. 1-2, 205-240 lbs. 42.00-43.75; No. 2-3, 205-245 lbs. 41.00-41.85; Sows 350-600 lbs. 27.00-32.00; Boars 230-550 lbs. 25.00-29.00.

Wed., January 2, 1980

Total 307 head. All prices per hundredweight.

No. 1-2 210-240 lbs. 40.75-41.50; No. 2-3 200-245 lbs. 39.00-40.60; Sows 28.0.-31.00; Boars 27.00-29.00.

Indianapolis Hogs

Thursday, January 3

HOGS: 2700 - Barrows & gilts moderately active, opened fully 75 lower. US 1 30 head near 200 lbs. 38.75; US 1-2 200-250 lbs. 37.50-38.25, couple lots 38.50.

SOWS: Moderately active, under 400 lbs. steady-50 lower, over 400 lbs. 1-1.50 lower. (10%). US 1-3 300-450 lbs. 31.00; 500-600 lbs. 34.00-35.00, lot 35.00.

BOARS: Under 250 lbs. 24.00; over 300 lbs. 23.00.

Peoria Hogs

Thursday, January 3

HOGS: 3500 - Barrows & gilts moderate, opening steady to weak, instances 25 lower. US 1-2 200-230 lbs. 38.00-38.25, 75 head 38.00; US 1-3 200-240 lbs. 37.50-38.00.

SOWS: Weak to 50 lower. (16%). US 1-3 325-450 lbs. 32.50-32.75; 450-500 lbs. 33.50-34.50; 500-700 lbs. 35.00-35.50.

Lancaster Feeder Pigs

Lancaster, Pa.
Friday, December 28

	Feeder Pigs
Today	1145
Last Tuesday	1267

Compared to last feeder pig sale, feeder pigs steady, instances 5.00 lower on US 2-3. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 49 head 30-33 lbs. 71.00-72.00; 163 head 30-39 lbs. 51.00-66.00; 199 head 40-49 lbs. 48.00-67.00; 166 head 50-59 lbs. 57.00-67.00; 85 head 60-80 lbs. 41.00-55.00.

US 2-3: 62 head 25-49 lbs. 39.00-50.00; 79 head 50-56 lbs. 35.00-43.00; 28 head 68-88 lbs. 34.00-36.00.

Around 225 head 20-60 lbs., many Utility sold for slaughter 25.00-50.00.

Pa. Grain

Monday, December 31

Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn steady to 3 cents higher. Wheat uneven, spots 8 cents higher to 4 cents lower. Barley strong to 8 cents higher. Oats steady to strong. Ear Corn $1 to $3 higher.

PRICES PAID DELIVERED TO DEALERS DOCKS (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.80-3.10, average 2.95; Wheat No. 2 range 4.00-4.55, average 4.23; Barley No. 3 range 1.80-2.50; average 2.10; Oats No. 2 range 1.40-1.90, average 1.68; Soybeans No. 1 range 5.95-6.02, average 5.99; Grain Sorghum No. 2 range 2.35, average 2.35; Ear Corn range 69.00-76.00, average 73.00.

South Central Pa.

Corn No. 2-y range 2.60-2.80, average 2.68; Wheat No. 2 range 3.80-4.20, average 3.93; Barley No. 3 range 1.85-2.00, average 1.90; Oats No. 2 range 1.50-1.80, average 1.63; Ear Corn range 58.00-65.00, average 61.88.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.60-3.10, average 2.86; Wheat No. 2 range 3.80-4.55, average 4.09; Barley No. 3 range 1.70-2.50, average 1.99; Oats No. 2 range 1.40-1.90, average 1.60; Ear Corn range 50.00-76.00, average 65.73.

Central Pa.

Corn No. 2-y range 2.65-3.00, average 2.83; Wheat No. 2 range 3.80-4.25, average 4.02; Barley No. 3 range 1.70-2.20, average 1.88; Oats No. 2 range 1.40-1.65, average 1.52; Grain Sorghum No. 2 range 2.45-2.60, average 2.52; Ear Corn range 50.00-67.00, average 60.50.

Western Pa.

Corn range 2.45-2.90, average 2.69; Wheat No. 2 range 3.75-3.80, average 3.77; Barley No. 3 range 1.60, average 1.60; Oats No. 2 range 1.35-1.80, average 1.53.

East Coast Carlot

Wednesday, January 2

Compared to Monday's close: prime special fed veal generally steady on limited test. Good and Choice boning veal mostly steady with last adequate test Friday. Lamb carcass 60 lbs. down mostly 2.00 higher than early last week.

VEAL CARCASS
HIDE ONE

Prime (Special Fed): 180-240 lbs. few 175.00, generally steady.

BONING TYPE
Good and Choice

Northeastern Suppliers: 65-75 lbs. 114.00, few 112.00, all steady with last Friday; 55-64 lbs. 112.00, few 110.00; 45-54 lbs. 110.00, few 108.00; 35-44 lbs. 108.00, few 106.00; 34 lbs. down 106.00, few 104.00.

LAMB CARCASS
Choice & Prime 3-4
3½ Loads

55 lbs. down 139.00, mostly 2.00 higher; 60 lbs. down 136.00, mostly 2.00 higher; 55-65 lbs. few 131.00-132.00; 65-75 lbs. few 126.00.

Chicago Grain Futures

(Closing Bids as of Thursday, January 3)

	Corn	Wheat	Soybeans	Soybean Meal
Jan.			6.47	184.30
Mar.	2.66¼	4.46½	6.69½	188.00
May	2.99	4.56½	6.92	192.00
July	3.07¾	4.61½	7.12	196.70
Aug.			7.20½	199.00
Sept.	3.12¼	4.74		

Trend - Corn is steady, Wheat is higher, Soybeans are higher, Soybean Meal is higher

Market Provided by Commodity Department
Reynolds Securities, Inc.

Futures Trading

Closing Bids as of Thursday, January 3

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
Jan.				57.00
Feb.	71.60	43.00		54.80
Mar.			6.34	55.40
Apr.	73.30	42.00	7.00	
May			8.07	52.10
June	75.15	45.75		
July		46.40		
Aug.	74.90			

Trend - Cattle are steady, Hogs are higher. Potatoes are higher. Eggs are lower.

Market Provided by Commodity Department
Reynolds Securities, Inc.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter
Under Federal Inspection

	CATTLE	CALVES	HOGS	SHEEP
Week to Date	345,000	30,000	991,000	57,000
Same Period Last Week	283,000	29,000	867,000	52,000
Same Period Last Year	400,000	38,000	870,000	54,000

Market courtesy of USDA.

Hunter's Auction

Rising Sun, Md.
Monday, December 31

BULLS: 900 lbs. 60.00; 2360 lbs. 65.50.

COWS: High Choice to Prime 52.75-53.50; Good to Standard 51.75-52.00; Utility 49.75-51.00; Cutters 48.75-49.50; Canners 46.75-47.50.

CALVES: Prime 200-275 lbs. 97.00-110.00; High to Choice 140-180 lbs. 97.00-107.00; Good to Choice 120-140 lbs. 90.00-107.00; Standard to Good 90-110 lbs. 80.00-109.00; Utility 75-85 lbs. 75.00-90.00; Low Utility 65-75 lbs. 59.00-83.00.

FEEDER PIGS: 20-25 lbs. $10 to $12 by hd.; 30-35 lbs. $15 to $18 by hd.

HOGS: 180-220 lbs. 36.00-40.50.

SOWS: 28.50.

BOARS: 27.00-28.50.

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Poultry Market Reports

Weekly New York Egg Market

From Friday, December 28 to Thursday, January 4

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	77	77	H	77	77
Ex Large	70	70	O	70	70
Large	69	69	L	69	69
Mediums	66	66	I	66	66
Pullets	49	49	D	49	49
BROWN					
Large	78	78	A	78	78
Mediums	Unquoted		Y		
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Large	62	62		62	62
Checks	37	39		36	35

Tone: weak.

1980 Urner Barry Publications

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	New Weight Per Case	Wednesday
Extra Large	51 lbs.	
Class 1 - Large	48 lbs.	51
Class 2 - Large	45 lbs.	48
Class 3 - Medium	42 lbs.	49
Class 4 - Small	39 lbs.	42
Breaking Stock	48 lbs.	43
Checks	48 lbs.	37

Note: No Tuesday or Thursday report due to holiday.

Fogelsville Poultry

Tuesday, December 18

(Prices paid dock weights, cents per lb. except where noted).

HENS, HEAVY TYPE: range 15-30, mostly 15-28.

PULLETS: range 32-47, mostly 43-45.

ROASTERS: range 16-38, mostly 25-30.

CAPONS: range 50-87, mostly 55-70.

DUCKS: range 41-58, mostly 48-53.

DRAKES: range 48-69, mostly 55-65.

GEESE: range 45-72, mostly 60-68.

TURKEYS, TOMS: range 40-65.

RABBITS: range 75-89.

GUINEAS: range 1.00-1.10.

PIGEONS (PER PAIR): range 1.80-1.90.

Philadelphia Eggs

Wednesday, January 2

Prices unchanged. Cartoning demand light to fairly good were extensive features involved. Offerings ample to burdensome in some quarters. Undertone about steady as buyers and sellers await further market developments.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons, delivered: store door

A Extra Large 68-76; A Large 67-74; A Medium 63-69.

Thomasville Auction

Wednesday, January 2

CATTLE: 115 head. Sl. steers Choice 71.00-72.50; Medium & Good 66.00-69.00; Holstein steers 63.00-66.00; Choice sl. heifers Medium-Good 58.00-63.00; sl. cows Good 49.00-51.50, few 54.00 to 55.00; Utility 46.00-48.00; Canners & Cutters 43.00-45.00. Sl. bulls Medium Good 63.00-72.50.

CALVES: 91 head. Vealers Choice 160-220 lbs. 118.00-123.00; 140-160 lbs. 104.00-115.00; Standard 70-90 lbs. 75.00-85.00.

FARM CALVES: Hol. bulls 95-120 lbs. 90.00-108.00; Hol. heifers 100-135 lbs. 138.00-152.00.

HOGS: 223 head. Barrows and gilts private treaty 200-230 lbs. 38.50; SOWS 400 lbs. & down 28.00-34.00. BOARS, heavyweight 24.50-25.50.

New Holland Dairy

New Holland, Pa.
Wednesday, January 2

Reported receipts of 99 cows, 69 heifers, and 7 bulls. Market steady with two week's ago.

Load of Pa. fresh cows, 1250.00-1425.00; load of Pa. fresh cows, 1010.00-1450.00; load of Pa. fresh cows, 1100.00-1390.00; load of N.Y. fresh cows, 1100.00-1700.00, springers 1300.00-1430.00; load of Pa. purebred and grade cows, 975.00-1200.00, springers 1300.00-1975.00; load of Franklin Co. fresh cows, 950.00-1475.00. Locally consigned cows, 750.00-1600.00; springing heifers, 850.00-1300.00; open heifers, 450.00-650.00; bulls, 350.00-760.00.

Delmarva Poultry

Wednesday, January 2

RTC movement light and disappointing in many quarters. Slaughter schedules about normal. Todays LTL asking prices trended lower at 52-53 on pland and 53-54 on US Grade A. Advance interest light and slow in developing. Live supplies ample at weights in a wide range. Undertone weak and unsettled.

Current broiler/fryer negotiated prices for immediate includes mostly multiple drop shipments to New York City from Delmarva.

Range U.S. GRade A 52½-56½; Plant Grade 51½-55½; Premium X U.S. Grade A 59.00.

WTD AVG. U.S. Grade A 54.79; Plant Grade 54.08; Premium X U.S. Grade A 59.00.

X includes special services, selected competitive brands, etc.

Eastern Pa. & N.J. Poultry

Wednesday, January 2

Prices unchanged on light type hens. Farm offerings fully adequate for short operating hours. Offerings of heavy type ample for a fair call.

Prices paid at farm: light type hens 7-9, mostly 8½-9.

F.O.B. Plant: 11-11½, mostly 11½.

Heavy Type Hens: TFEWR.

Baltimore Eggs

Wednesday, January 2

Cartoned Eggs: prices to retailers, state graded (min. one case sale) white.

Grade A Large	72-74
Grade A Medium	69-71

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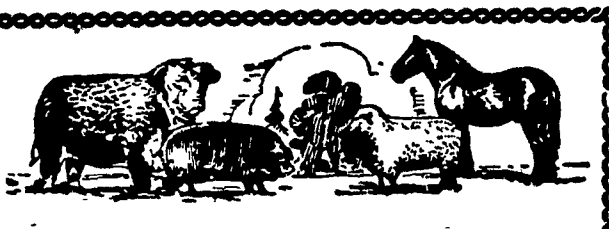

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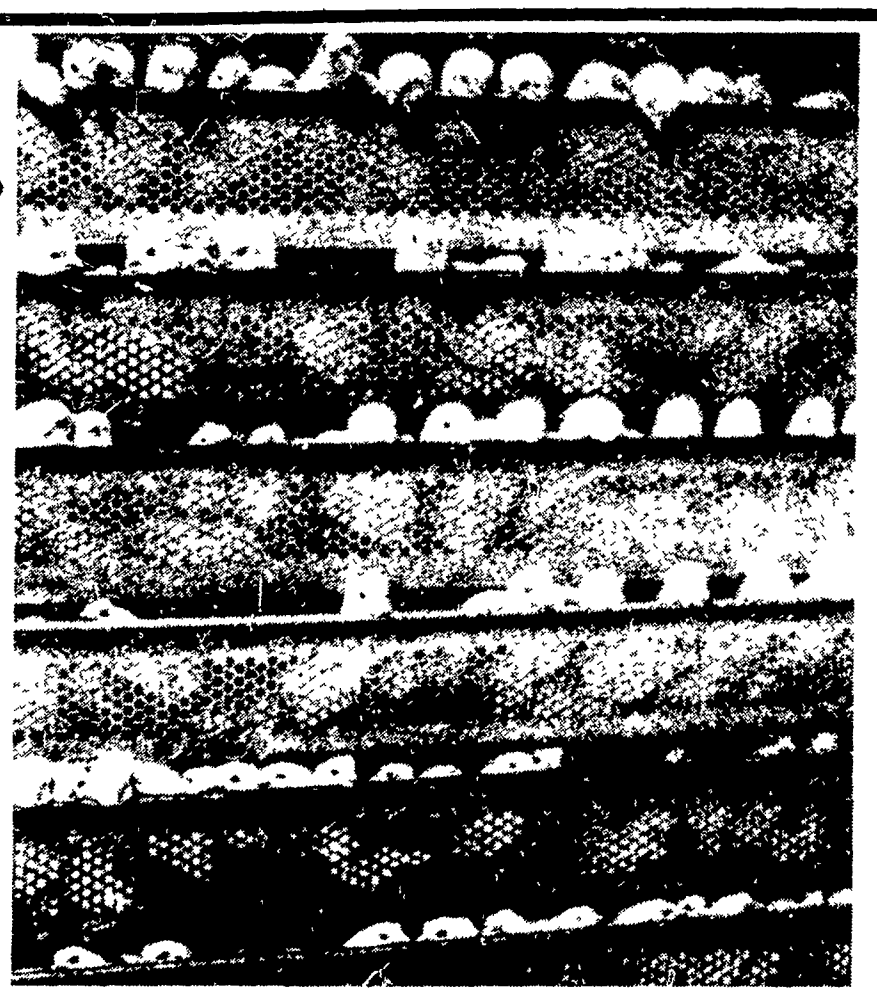

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Livestock market and auction news

Hay Markets

Good's Hay

Leola, Pa.
Thursday, January 3

A total of 145 loads were moved. All prices per ton unless otherwise noted.

Alfalfa 49.00-90.00, one to 103.00; Timothy 60.00-82.00; Mixed Hay 66.00-92.00, one load to 115.00; Straw 40.00-60.00, one load at 71.00; Corn 85.00-94.00, one load at 97.00; Fodder 36.00-45.00.

Vintage Hay

Thursday, January 3

13 loads. All prices per ton unless otherwise noted.

Alfalfa 70.00-82.00; Mixed Hay 60.00-68.00; Straw 55.00-63.00; Fodder 38.00; Mulch Hay 45.00.

New Holland Hay

New Holland Sales Stables
Thursday, January 3

174 loads moved. All prices per ton unless otherwise noted.

Alfalfa 47.00-108.00; Timothy 46.00-70.00; Mixed Hay 31.00-101.00; Straw 41.00-68.00; Corn 84.00-107.00.

Regional Hay

Monday, December 31

(All hay No. 2 and better, prices paid by dealers at the farm and per ton.)

Hay & Straw full steady.

Alfalfa 60.00-70.00; Mixed Hay 40.00-55.00; Timothy hay 40.00-50.00; Straw 40.00-55.00; Mulch 25.00-30.00.

Green Dragon

Ephrata, PA
Friday, December 28

Prices per ton - 123 lds. hay and 32 lds. straw.

Alfalfa 54.00-84.00, few to 139.00; Mixed hay 45.00-93.00, couple 112.00 & 133.00; Timothy hay 51.00-66.00; Clover, 2 loads 46.00 and 56.00; Grass, 2 loads 43.00 and 49.00; Straw 50.00-72.00; Ear Corn, 7 loads 72.00-91.00; Corn Fodder, 3 loads 29.00-46.00; Oats 119 bushels at $1.50 per bushel.

US Central Carlot

Wednesday, January 2

Compared to Monday's 4:30 report: steer beef 2.00 lower, some Y.G. 4 3.00 lower than last Friday. Choice 3 heifer beef 1.00 lower than Friday Y.G. 4 2.00-3.00 lower. Demand light and movement very slow. Most buyers filling current needs only & taking a wait and see attitude while most packers are refusing sharply lower bids. Supplies moderate to heavy on Choice, light on Goods. Sales reported on 42½ loads of steer and heifer beef.

STEER BEEF
33 Loads
FOB Omaha Basis

Choice 3: 600-850 lbs. 103.25 early, 2.00 lower.

Choice 3: 500-700 lbs. 104.75.

Choice 2: 500-700 lbs. 105.75.

Choice 4: 600-900 lbs. 90.25-91.25, 2.00-3.00 lower than Friday.

FOB Amarillo Basis

Choice 3: 500-700 lbs. 106.00.

Choice 2: 500-700 lbs. 107.00.

HEIFER BEEF
9½ Loads
FOB Omaha Basis

Choice 3: 500-700 lbs. 102.25 early, 1.00 lower than Friday.

Choice 4: 500-700 lbs. 90.25-91.25, 2.00-3.00 lower than Friday.

Cow Beef 1.50-2.00 lower to West Coast.

COW BEEF
7 Loads
FOB Omaha Basis

Utility: 450 & up 88.00 West, 2.00 lower. (BKRG) 3-4.

Utility: 450 & up 85.25 Chicago Area, (BKRG) 3-4.

Utility: 400 & up 89.25 Chicago Area, (BNG) 2-3.

Utility: 400 & up 92.00 West, 1.50 lower (BNG) 2-3.

FOB Amarillo Basis

Utility: 450 & up 89.00 West, (BRKG) 3-4.

PRIMAL BEEF CUTS
Choice 3
4 Loads
FOB Omaha Basis

FORES: 130-210 lbs. 92.50.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS
20 Loads
FOB Omaha Basis

50 pct chem lean fresh combos 56.00-57.25, bulk 56.50.

50 pct chem lean frozen 58.50.

Compared to Monday's 2:15 report: fresh pork loins unevenly steady. Picnics 4-8 lbs. 1.00 higher. Boston butts steady-7.00 lower. Fresh hams steady-1.00 higher. SDLS Bellies 50 -1.50 higher. Trmgs & Bnls picnics steady-1.50 higher. Trade slow to moderate; demand moderate. Sales reported on 52 loads and 21 loads of trimmings & frozen variety meats.

FRESH PORK CUTS

LOINS: 14/dn lbs. 78.00; 14-17 lbs. 77.00-78.00, unevenly steady; 14-17 lbs. 81.00, late week ship; 14-17 lbs. 81.25, clear channel; 17-22 lbs. 72.50.

BOSTON BUTTS: 4-8 lbs. 65.00, 7.00 lower; 8 & up lbs. 65.00, steady.

PICNICS: 4-8 lbs. 57.50, 1.00 higher; 8 & up lbs. 55.00.

SPARERIBS: 3 & dn lbs. 83.50.

SKINNED HAMS: 14-17 lbs. 65.00-66.00, steady-50 higher; 17-20 lbs. 63.00-64.00, steady-50 higher; 20-26 lbs. 63.50-64.00, 50-1.00 higher.

BELLIES, SDLS: 10-12 lbs. 30.50, 50 higher; 12-14 lbs. 39.00-40.50, 50-2.00 higher; 14-16 lbs. 39.00-40.00, 50-1.50 higher; 16-18 lbs. 37.00; 18-20 lbs. 35.00; 20-25 lbs. 32.25-33.50 frozen.

FROZEN VARIETY MEATS

CHITTERLINGS: 10 lb. box 40.50.

STOMACHS: large box 16.00.

LIVERS: 60 lbs. box 21.00 export.

FEET, TOES ON: 14.50.

PORK TRIMMINGS BONELESS PROCESSING PORK (Chemical Lean)

42 pct lean trmgs fresh 32.00, 1.00 higher; 72 pct chem lean trmgs fresh 76.00; 72 pct chem frzn 71.50 resale, steady; 72 pct bnls pics frozen 80.50-81.00, 1.00-1.50 higher; 72 pct bnls pics frozen 78.50.

Peoria Cattle

Thursday, January 3

Receipts this week	3600
Last Week	2300
Year ago	3100

Compared with last week's close, slaughter steers steady. Slaughter heifers steady to .50 lower. cows firm to 1.00, higher. Bulls firm. Receipts about 70 percent slaughter steers, 25 percent slaughter heifers balance mainly cows.

SLAUGHTER STEERS: Choice & Prime 3-4 1150-1250 lbs. 67.50-68.00, few 4-5 64.00-65.00; Choice 2-4 1000-1200 lbs. 67.00-68.00; several loads 68.50-69.00; Mixed Good and Choice 2-4 900-1300 lbs. 66.00-67.00; Good 2-3 62.00-66.00, few Good and Choice 2-3 holsteins 61.50.

SLAUGHTER HEIFERS: Choice & Prime 3-4 900-1100 lbs. 66.50-67.00, load 67.25; Choice 2-4 850-1125 lbs. 65.00-66.50; Mixed Good and Choice 2-4 800-1100 lbs. 64.00-65.00; Good 2-3 61.50-64.00; few Standard and Good 2-3 57.00-61.50.

COWS: Utility and Commercial 1-3 49.00-52.00, few 53.00-54.00; cutter 1-2 45.00-49.00; Canner 42.00-45.00.

BULLS: Yield Grade 1-2 1100-1800 lbs 52.00-58.50; few yield grade L 61.50-62.00.

Omaha Cattle

Thursday, January 3

Weekly 51 — Cattle — Closing prices on slaughter steers 1.00-1.50 lower and heifers 50-75C lower. Cows 1.00-1.50 lower, instances 2.00 off. Bulls firm to 1.00 higher.

An expanded holiday supply of slaughter steers came under heavy downward pressure in reflection of a sharply breaking carcass trade. Heifers were in generally better demand than steers and declines were less severe. Yield grade continued to be a major price-determining factor, and most interests were not aggressive for numbers beyond immediate requirements. The overall finish of the steer and heifer supply was hardly as attractive as most recent weeks and many cattle did not show to best advantage as feedlot conditions deteriorated somewhat as a result of recent moisture. Slaughter steers made up approximately 45 pct and heifers 29 pct. Cows comprices 15 pct and feeders 6 pct.

STEERS: on Monday of current week, two loads Choice 3 1138-1265 lbs. 69.50. At midweek, two loads Choice with few Prime predominantly 3 1125-1150 lbs. 68.15-68.25, part load Choice 3 68.50. Choice 2-4 1000-1275 lbs mainly 67.00-68.00. Some Choice and Prime 2-3 1000-1250 lbs. 66.00-67.00. Good 2-3 63.00-66.00. Good and Choice 2-3 1200-1350 lbs. Holsteins 62.00-62.25. Good 60.00-61.00.

Average of LS-214 detailed quotations for Choice 900-1100 lb. steers this week 67.09; Choice 1100-1300 lbs. 67.81. Average weight steers for two days this week 1182 lbs. as compared 1192 lbs. last week. Average weight heifers for two days this week 1012 lbs. as compared 1007 lbs. last week.

HEIFERS: on Monday, load Choice and Prime 3-4 1075 lbs. 68.00. At midweek, several loads and part loads Choice and Prime 3-4 1000-1050 lbs. 67.00-67.50, some lareg share 4 66.50. Choice 2-4 900-1050 lbs. 65.50-67.00, load 3 950 lbs. 67.50. Mixed Good and Choice 2-3 850-1050 lbs. 64.50-65.50. Good 2-3 60.00-64.00.

COWS: Utility and Commercial 2-4 46.00-48.00. Cutter 44.00-47.00. Canner and Low-cutter 41.00-44.00.

BULLS: 1-2 1400-2100 lbs. 54.00-60.00, individual 1 61.00-64.00.

FEEDERS: Modest volume medium frame 1 1000-1100 lb. steers Good and Choice for slaughter 66.50-67.00.

Oklahoma Cattle

Thursday, January 3

Estimated receipts 3700 Same day last week 461 Active, feeder steers and heifers steady. Supply largely medium frame 1 400-800 lb. feeder steers and 400-700 lb. heifers. Moderate buyer attendance.

FEEDER STEERS: Medium Frame 1 lot 26[illegible] lb 111.00; 300-400 lb. 97.50-106.50, package 337 lb 108.00; 400-500 lb. 89.00-95.50, 500-600 lb. 82.50-89.50; 600-700 lb. 80.00-85.50; 700-800 lb 78.00-82.00; 800-840 lb. 75.00-78.00, two lots 822-933 lb fleshy 70.30-72.00. Large Frame 1 500-600 lb. 83.75-88.50; 675-750 lb. 78.75-81.50, two part loads 883-971 lb 69.00-73.20. Medium frame 1-2 295-358 lb. 96.00; two lots 460-467 lb. 87.00-89.00; few 525-600 lb. 79.00-80.50; 695-800 lb. 74.25-76.25. Medium Frame 2 lot 330 lb. 87.50; 400-450 lb. 75.00-82.50. Large frame 2 holsteins lot 564 lb 71.75; lot 669 lb. 69.25; lot 851 lb. 6.50.

FEEDER HEIFERS Medium frame 1 300-400 lb 79.75-87.25; 400-500 lb. 74.25-80.00; 500-600 lb. 72.00-76.00, 600-700 lb. 69.75-73.00 Medium frame 1-2 lot 280 80.75; 375-475 lb. 72.75-74.50, few 550-600 lb. 68.50-70.25, 600-650 lb. 66.50-69.75.

For the week: compared to two weeks ago feeder heifers and steers under 600 lb. steady; steers over 600 lb 1.00-2.00 higher. Slaughter cows steady to 1.00 higher Slaughter bulls 2.00-4.00 higher. Late sales of utility and commercial 2-3 48.00-51.25. YG 1-2 1300-1500 lb slaughter bulls 64.25-65.25, 19 head 1525-1650 lb. lean high dressing at 70.00. Salable receipts this holiday shortened week near 5200 head compared with 606 head the holiday shortened period one week ago and 4425 head the same holiday shortened week one year ago. Feeder steers and heifers comprised 93 percent of this weeks receipts; cows and bulls 7 percent.

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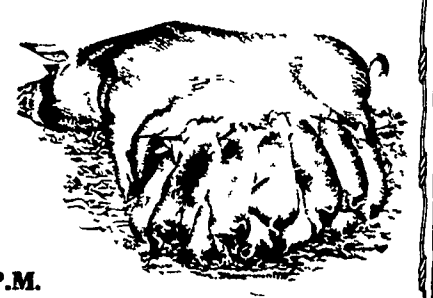

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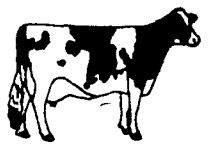

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Red & White Dairy Cattle Association
Box 63L, Crystal Spring, PA 15536
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2-7FC

Livestock market and auction news

St. Louis Cattle

Thursday, January 3

Receipts this week	3,800
Week Ago	2,100
Year Ago	3,400

Compared to the previous weeks close, slaughter steers .50 to mostly 1.00 lower. Slaughter heifers 1.00 to mostly 1.50 lower. Cows mostly 1.00 lower. Bulls firm to 1.00 higher. Slaughter supply mainly Choice and Mixed Choice and Prime 2-4 slaughter steers, around 35 percent heifers and 15 percent cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1275 lbs. 68.00-69.00, closing sales 68.00-68.50; 3-4 1100-1325 lbs. 67.00-68.00, closing mostly 67.00-67.50. Choice 2-4 950-1200 lb.s 67.00-68.50, closing 67.00-68.00. Mixed Good and Choice 2-4 900-1200 lbs. 66.00-67.00. Good 2-3 900-1150 lbs. 63.50-66.00. Standard to Good 2-3 1050-1400 lb. holsteins 59.00-62.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1050 lbs. 65.50-66.50, part load early 67.00, closing week sales 65.50-66.00. Choice 2-4 800-1050 lbs. 64.00-66.00, closing 64.00-65.50. Mixed Good and Choice 2-3 700-975 lbs. 63.00-64.50. Good 2-3 700-950 lbs. 61.50-63.50.

COWS: Utility and Commercial 2-4 46.00-50.00. Boning utility 1-2 49.00-52.00. Cutter 1-2 45.00-49.00. Canner and low cutter 1-2 40.00-45.00.

BULLS: Yield grade 1-2 1050-1900 lbs. 55.00-61.00, closing 56.00-61.00. Individual outstanding yield grade 1 1800 lb. Charolais at 65.00.

FEEDERS: (including around 1,300 at the regular Thursday auction.) Feeder steers and heifers firm to 3.00 higher, most advance on steers weighing under 600 lbs. and heifers under 500 lbs. Overall quality much improved over most recent weeks. Supply mainly Medium Frame 1 400-800 lb. steers and 300-600 lbs. heifers, with only scattered lots of medium frame mixed 1-2 included.

FEEDER STEERS: Medium Frame 1: lot 258 lbs. 106.00; 300-400 lbs. 87.50-99.00; 400-475 lbs. 83.50-89.00; 500-600 lbs. 80.00-84.75; scattered lots 725-775 lbs. 73.50-78.25; 800-1025 lbs. 67.00-75.00.

MEDIUM FRAME 1-2: 360 400 lbs. 83.00-85.75; 500-625 lbs. 75.00-79.75.

LARGE FRAME 2: few lots 425-550 lb holsteins 70.50-75.00; couple lots 675-850 lbs. 65.50-68.25.

FEEDER HEIFERS: medium frame 1: couple lots 250-290 lbs. 89.00-89.50; 300-500 lbs. 75.00-81.00; 500-600 lbs. 67.50-76.00.

MEDIUM FRAME 1-2 and couple lots Small Frame 1 500-525 lbs. 62.75-65.00.

STOCK COWS: Lot medium frame 1 Young 860 lb. 58.00; few lots medium-aged 850-875 lbs. 52.00-54.00.

Leesport Auction

Wednesday, January 2

CATTLE 186. Supply included 39 feeder cattle. Compared with last week's market, Few Choice 1000-1300 lbs. slaughter steers 67.10-70.00, Good and Choice Holsteins 1300-1500 lbs. 62.00-63.85, few Good 64.10-67.75, few Standard 61.25-62.75. One Good slaughter heifer at 60.75, few Standard 56.75-59.75. Utility and Commercial slaughter cows 51.00-53.60, few 55.00, low dressing 48.50-50.00, Commercial 46.50-48.50, Cutters 49.85-52.10, few to 53.50, Canner and Low Cutters 47.00-49.85. Few Choice slaughter bullocks 64.50-70.00, few Good 60.50-64.75, few Standard 59.75-60.25. Few Yield Grade #1, 11-2000 lbs. sl. bulls 63.35-65.25, one 73.00, few #2, 1100-1200 lbs. 60.00-63.35. Medium frame #1, 320-500 lbs. steers 66.50-77.00, few large Frame #2, 370-515 lbs. 65.00-67.00. Few Medium #1, 340-545 lbs. feeder heifers 54.50-62.50. Few Large Frame #2, 670-925 lbs. feeder bulls 58.00-63.50.

CALVES 166. Few Prime vealers 118.00-119.50, Choice 106.00-118, Good 98.00-110, Standard and Good 110-130 lbs. 80.00-120, 90-110 lbs. 70.00-80, 70-85 lbs. 60.00-70, Utility 45-90 lbs. 45.00-60.00. FARM CALVES: Holstein bulls 100-125 lbs. 90.00-111, 90-100 lbs. 80.00-90; Holstein heifers 95-140 lbs. 100.00-137.50, one at 145.00.

HOGS 515. US No. 1-2 200-245 lbs. barrows and gilts 39.35-40.00, No. 1-3 200-250 lbs. 38.00-39.50, lot to 41.00, No. 2-3 190-265 lbs. 36.35-38.00. US No. 1-3 300-500 lbs. sows 26.25-29.25, few to 30.50, No. 2-3 450-600 lbs. 25.00-27.50. Boars 24.00-27.25.

FEEDER PIGS 277. US No. 1-3 25-65 lbs. feeder pigs 41.00-59.50 per hundredweight, lot No. 1-3 125 lbs. at 47.00, Utility 30-60 lbs. 29.00-35.00 per hundredweight.

SHEEP 25. Few Choice 60-70 lbs. wooled slaughter lambs 68.00-71.50, few 110-115 lbs. 64.00-65.00, few Good 55-65 lbs. 58.00-61.50, few Utility 50-60 lbs. 50.00-60.00. Few Slaughter ewes 26.50-34.00.

Belleville Auction

Wednesday, January 2

CATTLE 125. Compared with last week's market, slaughter cows $1-$2 lower. Individual Good slaughter steer at 62.50. Utility and Commercial slaughter cows 49.50-54.00, few to 55.00, Cutters 51.50-54.50, Canner and Low Cutters 47.50-51.00. Few Yield Grade No. 1, 980-1900 lbs. slaughter bulls 56.25-62.50.

CALVES 210. Vealers grading Standard and Good $3-$5 higher. Few Choice vealers 106.00-114.50, few Good 92.00-98.00, Standard and good 70-105 lbs. 70.00-79.00, Utility 50-90 lbs. 50.00-68.00. Farm Calves: Holstein bulls 90-125 lbs. 80.00-131.00; few Holstein heifers 85-120 lbs. 75.00-128.00.

HOGS 304. Barrows and gilts $1.50-$3.50 lower. US No. 1-3 200-240 lbs. barrows and gilts 39.50-40.10, couple lots 40.60, No. 1-3 190-250 lbs. 38.85-39.35. US No. 1-3 300-550 lbs. sows 30.50-35.00, couple 38.50, No. 2-3 300-600 lbs. 28.00-31.00. Boars 18.00-25.50.

Indiana Auction

Friday, January 4

CATTLE 80. Sl. cows $2.00-$4.00 lower. Few Choice 1200-1450 lbs. sl. steers 63.00-66.75. 1 Choice sl. heifer 66.00. Utility & Commercial 50.00-56.00; Cutters 47.00-51.00; Canners & L. Cutter 42.00-47.50. Yield Grade No. 1 1465 lbs. sl. bulls 64.75.

FEEDER CATTLE: Choice Medium Frame No. 1 400-650 lbs. steers 73.00-82.00. Good Medium Frame No. 1 Good 420-620 lbs. heifers 62.00-74.00.

CALVES 136. Vealers about steady, few Choice 104.00-110.00; Good 87.00-103.00; Standard & Good 90-120 lbs. 65.00-85.00; Standard 65-85 lbs. 65.00-66.00, Utility 45-85 lbs. 40.00-56.00.

FARM CALVES: Hol. bulls 100-120 lbs. 77.00-107.00; Hol. heifers 85-125 lbs. 75.00-110.00.

HOGS 91. Barrows and gilts $3.00-$400 lower. Barrows and gilts No. 1-3 200-260 lbs. 37.50-40.00, few No. 1-3 170-190 lbs. 32.50-35.00. SOWS steady. US No. 1-3 275-575 lbs. sows 28.00-31.75. BOARS 23.00-29.00.

Belknap Auction

Dayton, Pa.
Wednesday, January 2

CATTLE 120. Compared with last Wednesday's market, slaughter cows mostly $2 lower. Good slaughter steers 61.00-65.00, few Standard 58.50-61.50. Utility and Commercial slaughter cows 52.50-58.25, individual at 60.00, Commercial 4-5 46.50-52.75, Cutters 48.00-53.25, Canner and Low Cutters 42.00-48.25, Shells down to 37.00. Few Yield Grade No. 1, 1345-2155 lbs. slaughter bulls 61.00-71.00, few #2, 1060-1625 lbs. 52.00-55.25. Medium Frame #1, 650-925 lbs. feeder steers 60.00-69.50. Few Medium Frame #1, 420-630 lbs. feeder heifers 55.00-62.50.

CALVES 94. Few Choice vealers 106.00-113.00, few Good 92.00-100.00, Standard and Good 90-120 lbs. 64.00-84.00; 70-85 lbs. 53.00-65.00, few Utility 50-85 lbs. 40.00-55.00. Farm Calves: Holstein bulls 90-120 lbs. 78.00-104.00.

HOGS 248. Barrows and gilts mostly $2 lower. US No. 1-2 205-235 lbs. barrows and gilts 41.40-42.20, No. 1-3 200-250 lbs. 40.00-41.40, few No. 2-3 210-255 lbs. 40.00-40.25, No. 1-3 155-180 lbs. 31.00-35.50. Sows fully $2 lower. US No. 1-3 290-705 lbs. sows 27.25-34.00. Boars 26.00-28.00.

Chambersburg Auction

CATTLE 400. Sl. cows $1 to $3.50 lower, couple Choice YG 1100-1200 66.85-68.00, few Good 63.75-64.00, few Standard 60.25-62.00, few Utility 57.00-59.00. Few Choice YG 965-1035 lbs. sl. heifers 62.50-67.00, (1) Standard 55.60. Utility & Commercial sl. cows 49.00-53.85, Cutters 48.00-51.50, Canner & L. Cutter 44.85-47.74. Few Choice sl. bullocks 63.50-66.50, few Good 62.25-63.50, few Standard 55.00-57.00. Few Yield Grade #1, 1400-1900 lbs. 61.25-67.25, few Yield Grade #2, 1140-1340 lbs. 55.50-58.75.

FEEDER CATTLE: Medium Frame No. 1 Choice 320-600 lbs. steers 68.00-77.00. Medium Frame No. 1 Good 38.50-65.00 lbs. heifers 60.50-68.00.

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Livestock market and auction news

Four States Livestock

Wednesday, December 26

SLAUGHTER: Fed Steers $1.50 higher. Choice 67.00-70.50; Good 63.00-66.00; Medium 62.00 Down. Heifers Choice 63.00-65.76; Good 59.00-62.00; Medium 58.00 Down. Cows large run, very active $2.00 higher. High Yield 55.00-58.00; Average 50.00-54.00; Big Middle 46.00-49.00; Shelly 48.00 Down. Fat Bulls $1.00 higher. Good 62.00-65.75; Medium 57.00-61.00. Veal Calves large run, $2.00 higher. Choice 110.00-119.00; Good 100.00-109.00; Medium 85.00-99.00; Farm Hfrs. to 170.00; Farm Bulls to 130.00; Light & Weak 72.00 Down. Sows 300-550 lbs. 34.00-39.00; Thin Sows 28.00-32.00.

STOCKER: Steers 300-550 lbs. light run, mostly steady prices. Choice 87.00-90.00; Good 80.00-86.00; Medium 73.00-79.00; Culls 72.00 Down. Steers 600-850 lbs. Choice 72.00-78.00; Good 65.00-71.00; Medium 64.00 Down. Heifers (All Weights) Dairy Type to 100.00; Choice 69.00-72.00; Good 62.00-68.00; Medium 61.00 Down. Bulls Choice 72.00-75.00; Good 66.00-71.00; Medium 65.00 Down. Dairy Cows to 940.00. Springing Heifers to 1170.00. Pigs, Hd. mostly steady. 20-30 lbs. 10.00-17.00; 40-60 lbs. 18.00-22.00. Shoats by Lb. to 47.00. Slaughter Hogs $1.00 under last week. 210-230 lbs. 40.25-41.50; 240-260 lbs. 40.00-41.35; 180-205 lbs. 36.00-39.25.

Baltimore USDA

Monday, December 31

CATTLE 250: Supply mostly cows firm to 50 cents higher. Not enough sales other classes to establish a market trend.

SLAUGHTER STEERS: Choice 2-4 995-1185 lbs. 68.00-70.75; few Good 1020-1250 lbs. 63.00-66.00.

SLAUGHTER HEIFERS: Individual Choice 3 935 lbs. 66.50; couple Good 2-3 950-1200 lbs. 59.60-62.00.

COWS: Utility 2-3 49.00-54.85; couple 55.00-55.50. Cutter 46.75-51.10.

BULLS: YG 1-2 1000-1820 lbs. 57.00-66.75; Individual 1 1720 lbs. 72.60.

FEEDER CATTLE: Steers - Medium Frame #1 muscle thickness 750-975 lbs. 66.50-69.75; 275-450 lbs. including some bulls 80.00-93.50. Heifers - Medium Frame #1 250-475 lbs. 64.00-73.00.

HOGS 500: Barrows & Gilts $2.00 lower. US 1-2 200-240 lbs. 39.50-39.75, few early 40.00; US 2-3 230-260 lbs. 38.75-39.50.

SOWS: 50 cents - $1.25 higher. US 1-3 300-600 lbs. 28.50-30.25.

FEEDER PIGS, WESTMINSTER, MD., FRIDAY, DEC. 28, 1979, 1190 head. Pigs weighed upon arrival sold on per cwt basis. 70 head US 1-2 30-40 lbs. 52.00-57.00; 122 head US 1-2 41-50 lbs. 54.00-63.00; 183 head US 1-2 50-60 lbs. 46.00-59.00; 198 head US 1-2 60-80 lbs. 39.00-50.00; 71 head US 1-2 80-95 lbs. 38.50-41.50.

MIXED 2's and US 2-3: 44 head 20-30 lbs. 51.00-57.00; 132 head 31-40 lbs. 46.00-55.00; 42 head 40-55 lbs. 41.00-47.00; 101 head 60-80 lbs. 36.00-43.00.

VEAL AND CALF AUCTION 35: Choice 130-250 lbs. 94.00-101.00; Good and Choice 115-200 lbs. 71.00-87.00; 70-110 lbs. 60.00-74.50; few calves returned to farm 71.00-78.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, December 29

STOCKER, FEEDER, AND SLAUGHTER STEERS: Good Light Steer Calves 90.00-95.00; Medium 85.00-90.00; Plain 80.00 and down; Good Heavy Steers 82.00-86.00; Medium 77.00-82.00; Plain 72.00 and down; Holstein Steers 47.50-69.00; Good Light Heifer Calves 68.00-72.00; Medium 63.00-68.00; Plain 58.00 and down; Good Heavy Heifers 58.00-63.00; Medium 53.00-58.00; Plain 48.00 and down; Slaughter Cows 48.00-53.00; Utilities 43.00-48.00; Canners & Cutters 35.00 and down; Milk & Stock Cows 680.00 and down; Stock Bulls 54.50-69.00; Slaughter Bulls 66.75 and down.

CALVES: Veal Calves 97.00 and down; Baby Calves 125.00 and down.

SHEEP & LAMBS: Choice Blue O 69.00; Good Red O 62.00; Feeder Lambs 62.00 and down; Slaughter Ewes 20.00 and down.

HOGS: Top 38.25; Heavy 32.00-35.00; Sows 35.00 and down; Boars 20.00; Butcher Hogs 32.50 and down.

THE OLD FARMER'S ALMANAC

JAN. 7-13, 1980

A sunny treat, but watch for sleet.

Cut pussy willows now Agatha Christie died Jan 12, 1976 Last quarter of the moon Jan 10 Average length of days for the week, 9 hours, 18 minutes B & O horse-drawn railroad began Jan 7, 1830 Standard Oil Co organized this week in 1870 Eat to live, not live to eat

Ask the Old Farmer: Who originated the term "Yankee Clipper" and when was it first used to describe the New England-built sailing ships? K V, Pasadena, Calif

It might be difficult to pin this down but the term was probably applied to the schooner-rigged privateers of the Revolution to distinguish them from the Baltimore clippers, which came first

Home Hints Compost piles covered with black plastic thaw out earlier and start working sooner

OLD FARMER'S WEATHER FORECASTS

New England: Rain coast, sleet and snow inland at week's start, then cloudy and cold toward week's end

Greater New York-New Jersey: Mild with heavy rain south through mid-week, then cloudy and cold until end of week

Middle Atlantic Coastal. Week begins mild and rainy, then cold, rain east, snow west by weekend

Piedmont & Southeast Coastal: Cooler, partial clearing, at start, then rain, cool, through end of week

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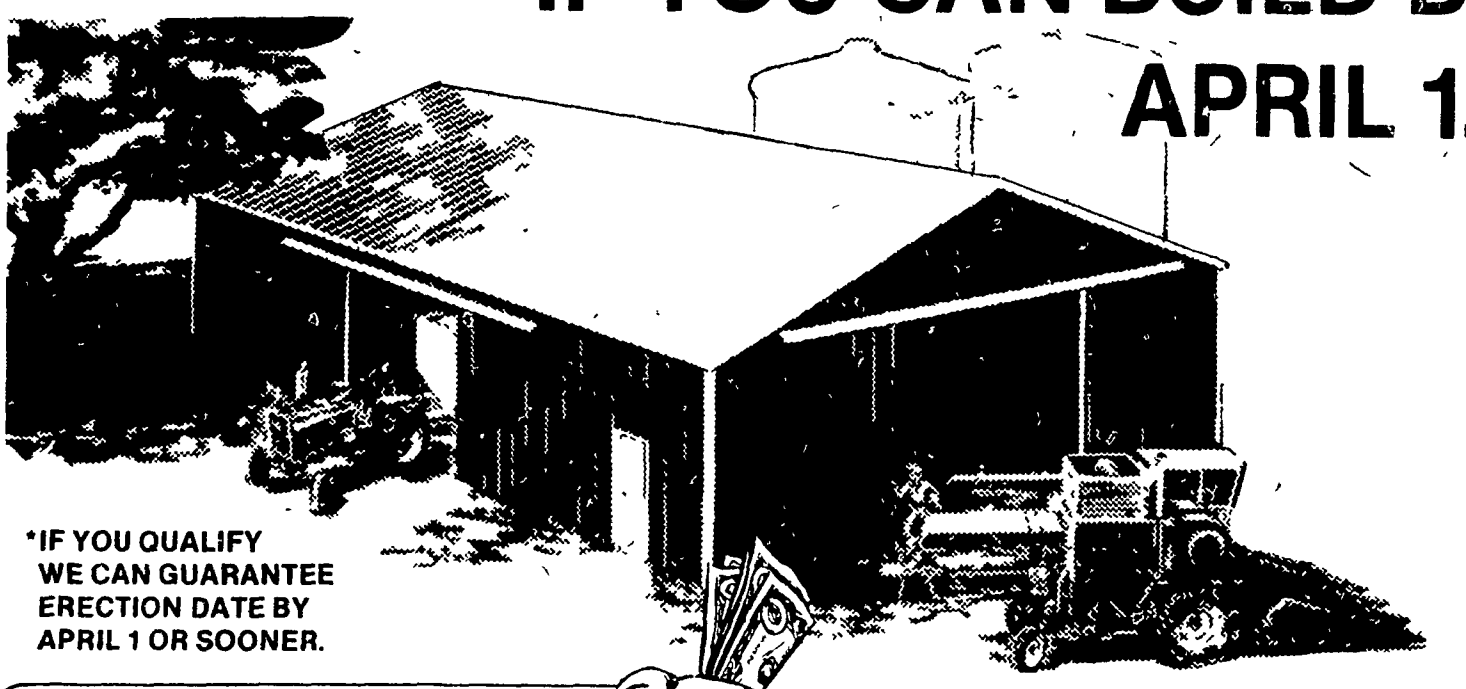
IF YOU CAN BUILD BY APRIL 1.*



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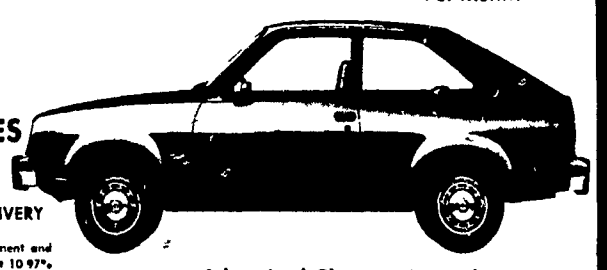

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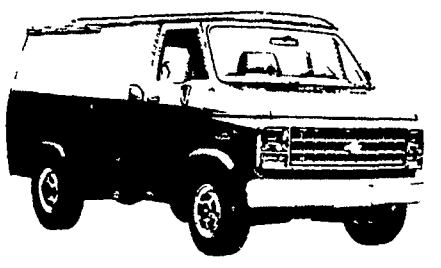
AS LOW AS $4903* $126* Per Month



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Advertised Van in stock

1980 VANS

AS LOW AS $5798* $150* PER MONTH

1980 CAMAROS

Plus $200 Down Payment and 48 Month Financing at 10.97% Annual Interest and Deferred Payment of $7206 with approved credit plus tax & tags

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4 WHEEL DRIVE PICKUP

Equipped with 292 V8 Engine, 4 Spd. Trans., HD Chassis, Chrome Bumper, Gauges, AM-FM Radio, Lockout Hubs, Full Foam Seats, Power Steering & More

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BY CURT HARLER, EDITOR

Lancaster Farming says...

Yet another round for Farm Show

The history of the Farm Show Complex throughout the 1970s has been that of a sorely punch-drunk fighter trying to stay on his feet with help from all sorts of people.

Age and use alone have battered the Complex over the years. It appeared the Complex might bite the dust a few years ago when the Harrisburg Fire Marshall declared it unsafe and threatened to count it out for good.

The Farm Show Commission rushed into the fray to provide a multi-million dollar renovation of the fire prevention and electrical systems in the Complex.

But the Fire Marshall's actions were just love taps compared to the punches landed by Mother Nature.

She connected with several roundhouse blows during the decade, any one of which would have been enough to spell the end for a building with less tradition and spirit than the Farm Show.

In 1972 Hurricane Agnes laid the Complex out flat. No sooner did the Complex stagger to its wobbly feet than another crashing blow was landed.

This time it was Hurricane Eloise, disrupting a dairy show then in progress But again the Complex bounced back to face the next bell.

Farm Show received a boost in 1978 with an infusion of steel fire doors, a new corridor for fire safety, a new roof, new lighting and electrical lines.

The simple fact the Farm Show could come out for another season was fine testimony to the men in the Complex's corner. First it was Show Director Wellington Smith. Now it is Director Hugh Coffman.

Both have dug deep into their bag of tricks to keep the Complex from falling on its face.

Last year farmers roared in complaint when the dairy and beef cattle schedules were split so dairymen had animals at Farm Show for only the first half of the week with beef cattle coming in later.

For farmers it was more painful than slicing open a closed eye.

Show Director Coffman decided the remedy was too painful.

This year the sacrifice will be made by commercial exhibitors — many of whom are sacrificing 10 percent of their exhibit space so more firms can have a ringside seat at Pennsylvania's top agricultural event.

Problem is, it's exhibitors who pay the freight for the otherwise free show And they're not thrilled about the cutback.

An extra day, Sunday, was added to the schedule so more people can see the event, and partly to give commercial exhibitors a day's hedge against traditionaly bad Farm Show weather.

They feel they deserve credit for packing the house. Understandably, they want a better deal.

One such suggestion, lost in the roar of the crowd as Farm Show gamely faces its 64th round, is the old plea to erect a new Farm Show Complex on high and dry ground.

The state rejected such a proposal in early 1972. And it proceeded to invest $10 million to clean up after Hurricane Agnes, another few million to put up the new beef building used for the first time last year, and in 1980 plans to spend another $270,000 or so for a new water system.

All of that is money invested in a somewhat broken-down old fighter when the future, proponents claim, is to be found in a new, modern facility.

The likelihood of the state shelling out funds for a new complex is about zero. Repeated rejection of such plans by governors of both parties emphasizes that.

Those favoring a new facility have dozens of convincing statistics about how such an arena would boost local economy, draw other shows to central Pennsylvania, and give almost unlimited possibilities for an expanding Farm Show.

A new building could be like a splash of cold water in the face of the tired Complex.

But if that splash is going to come, it'll have to be from private investors, a stock corporation, or other non-governmental source. It'll have to be a hundred million dollar splash.

If we are to get a new Complex, we'll have to foot the bill ourselves. In the long run it may be better to have it funded privately than with tax dollars. And we'll ask our own wallets whether it is necessary.

In the meantime, the bell is ringing for another round . . . Farm Show 1980 runs January 6 though 11 at the tired but true Complex off I-81 north of Harrisburg.

Enjoy the spectacle and try to ignore the battle scars and plaster patches which are keeping the Farm Show Complex on its feet for yet another round.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

JESUS' FAMILY

Lesson for January 6, 1980

Background Scripture:
John 2:1-12; 7:1-13; 19:25b-27.
Devotional Reading:
Mark 2:18-22.

It is sometimes said that "Behind every great man there stands an amazed mother-in-law." We ought not pick on just mothers-in-law, however, but extend that dubious honor to other members of the immediate family. We all remember what Jesus said about the receptivity of the prophet's own countrymen--"A prophet is not without honor except in his own country.."--but we tend to forget that he added "...and his own house"! (Matthew 13:57).

They Have No Wine

The gospels tell us nothing of Joseph once the Holy Family is settled in Nazareth. It is assumed, although not known, that he was older than Mary and therefore died by the time Jesus began his public ministry. Fleeting references are made to the brothers of Jesus indicating that they must have had mixed feeling about the religious vocation of their celebrated and despised older brother. Even Mary betrays conflicting reactions to him, although in all four accounts of the passion and resurrection of Jesus we see Mary as a devout disciple as well as mother of Jesus. The view we get of Jesus' family, then, is one of both striking insights and nagging skepticism–a very human reaction with which we can all identify.

This is apparent at the very beginning of Jesus' ministry when he and his family attend a wedding feast in Cana, a neighboring town of Nazareth. John records for us only two brief remarks of Mary, but they are very revealing for us, not to mention their relevance for our own lives.

First of all, John tells us, "When the wine failed, the mother of Jesus said to him, "They have no wine' " (John 2:3). Of course, this might have been simply an offhand remark on Mary's part: Have you heard they're all out of wine! But John is not the kind of writer to include wedding party chit-chat and we must suspect that this simple remark points to something deeper. Why would Mary tell Jesus about this mundane problem–unless she know of: (1) Jesus'compassion for people in difficulty and (2) His ability to do mysterious and amazing things to help people in need. "They have no wine," Mary told him, just as you and I tell him, "I'm short of money, I don't know what to do with my son, I'm troubled about my work, I'm discouraged with my marriage." These may seem trifling to tell the Son of God, but we do because we know he cares.

Next, Mary says to the servants, "Do whatever he tells you" (2:5). She could hardly have known what Jesus was going to do, but she knew her son and she realized that, not only did he have compassion upon people in their everyday needs, but he also had the power to help them meet those needs. In time, then, his family came to understand the same assurance that is ours today· although we may not fully understand him or what he will do, he will help us meet our needs if we– "Do whatever he tells us to do."

NOW IS THE TIME

By Max Smith, Lancaster County Agricultural Agent
Phone 394-6851

TO SEGREGATE NEW ANIMALS

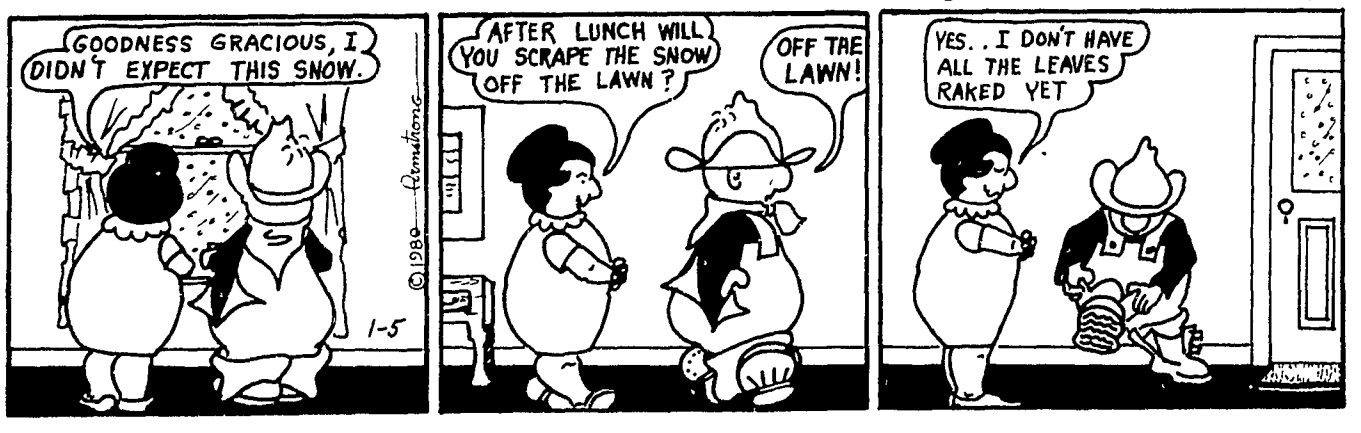
The addition of a new animal to the herd, or flock, is a very common practice. However, there is always the chance of bringing new infections into the herd. Too many diseases and problems have been brought by the owner. At this time of year, and in this part of the state, the State Farm Show provides opportunity for showing animals and the purchase of new ones. To those who are exhibiting animals, and to those who might buy a bred gilt, or other animals, I'd say be sure to segregate these animals from the rest of the herd or flock for at least 30 days. The other alternative is to treat all animals in the herd or flock for the same infections as the new animal has received. Sanitation and segregation are two very important items in good livestock health programs.

TO BEWARE OF PARASITES

Livestock parasites can mean the difference between profit and loss on most operations. I'm referring to both internal parasites (stomach worms), and to external problems such as lice, ticks, and mange. Owners should be on the alert at all times for these parasites that suck blood from the animals and reduce gains and production. Fecal samples can determine the internal infestation while careful observation of the behavior of the animals can

(Turn to Page A33)

RURAL ROUTE *By Tom Armstrong*


GOODNESS GRACIOUS, I DIDN'T EXPECT THIS SNOW.
©1980 Armstrong
1-5
AFTER LUNCH WILL YOU SCRAPE THE SNOW OFF THE LAWN?
OFF THE LAWN!
YES.. I DON'T HAVE ALL THE LEAVES RAKED YET

Farm Calendar

Sunday, January 6

The 64th Annual Pennsylvania Farm Show opens in Harrisburg. The show will continue through Friday, January 11. For a program of events, see Section D, page 28.

Monday, January 7

Hunterdon County, N.J. bus trip to the Pennsylvania Farm Show.

Hunterdon County, N.J. Foods Council meeting at 7:30 p.m.

Lancaster County FFA meeting at the Willow Street Vo-Tech School.

Tuesday, January 8

Hunterdon County, N.J.

(Turn to A13)

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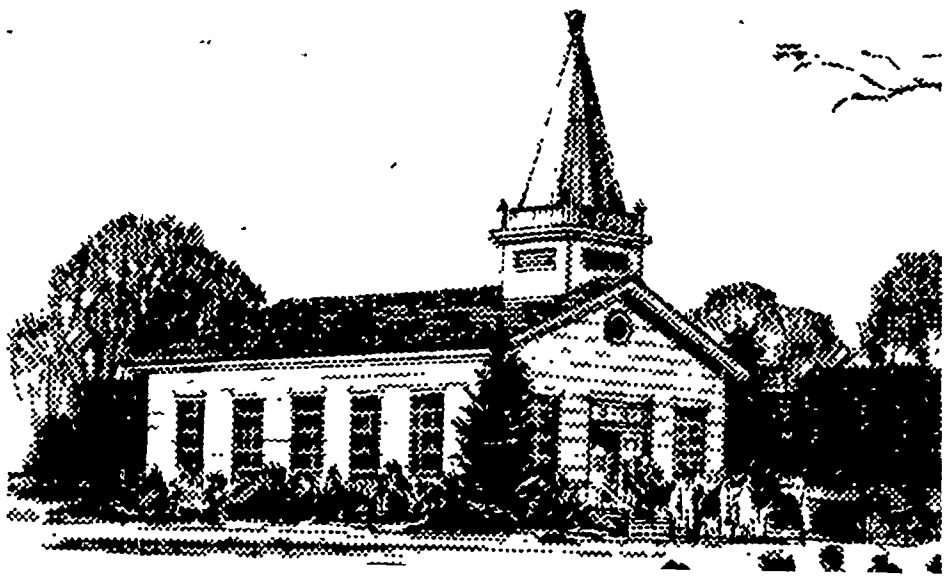

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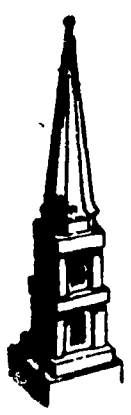

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Eastern Regional Agri-business Degree

Arlen Keener's past desires are present realities

BY DEBRA STRICKLER

RHEEMS — "I'd like to be a herdsman on a dairy farm and have the opportunity to keep a couple of Holsteins of my own," Arlen Keener told Lancaster Farming two years ago.

His past desire has become a present reality.

This week he will receive the Eastern Regional Star Agri-business Degree at the State Future Farmers of America convention.

At the State Farm Show, Arlen will also be showing his own Holsteins.

Arlen is a full - time herdsman on the Penn Springs Farm, owned by Robert and Mim Kauffman of R1 Elizabethtown.

His daily responsibilities include checking the herd, milking the cows and keeping the barn in order. Arlen recently attended the ABS school to learn the techniques of artificial insemination. He assists Bob in breeding the cows.

In addition to being herdsman, Arlen owns a small dairy herd which includes two Holstein cows and five heifers.

Arlen is especially proud of August Hill Rockman Leseyla, a two year old. After a first place finish in March's State Holstein Show and a top honor earner in other shows, Leseyla was recently named the 1979 All-Pennsylvania Two-Year-Old Heifer.

Arlen explains, "after the show season is over, I submitted a complete record including Leseyla's show and production records and a picture. A panel of six judges chose her as the All-Pennsylvania two-year-old heifer.

"Next week, I'll try again at the Farm Show," Arlen adds.

This year Leyseyla will be competing in the three year old class competition.

Leseyla's production record is as impressive as her show honors. In 295 days of testing, she produced 17,595 pounds of milk at 3.7 percent to yield 657 pounds of butterfat. Before the years end, she will top the 20,000 pound mark.

Arlen purchased the outstanding female from Robert Young, a neighbor and former employer.

He finds it ironic, that he bought Leseyla for the least amount of money, and she is doing the best.

He has had a number of misfortunes with the first heifers he showed.

The Kauffman's provided Arlen with a heifer the first year he showed in 4-H competition. He earned a blue ribbon at the County show, but lost the heifer the day before the District Show.

His second heifer was sold to buyers from Africa.

In 1976 be bought his own heifer at a state calf sale.

This heifer was due to calve at the Farm Show. The Kauffman's encouraged Arlen to enter the heifer and have a farm show calf. The heifer had difficulties in its labor. The Valley Animal Hospital performed a cesarian, however the calf was lossed. Unfortunately, the cow never recovered either.

Although similiar experiences may have caused many young people to give up hope, Arlen continues to improve his herd.

He contemplates buying more heifers, although he is not so sure about the future. "I like to live one day at a time, I was never a person that set many goals."

He modestly comments, I never expected to own the 1979 All-Pennsylvania Two - Year - Old or earn the Eastern Regional Star Agri-business degree.

"I always do the best I can, I try to do it right, and then wait to see what happens.

This Summer Arlen placed third in the State 4-H Dairy Judging Contest. He then competed in Madison, Wisconsin during the World Dairy Expo.

In the breed he knows best, Holsteins, Arlen took the first place national honors. He earned sixth place in reasons, and placed nineth in the individual competition. The Pennsylvania team placed twelth in the nation.

As a FFA member at Elizabethtown High School, Arlen's projects did not only include dairy. He had a swine project with a friend. "We didn't make any money, but we had a lot of fun," Arlen says.

As the son of Mr. and Mrs. Walter Keener, Arlen does not reside on a farm. He can remember raising broiler in a shed behind their home.

"I caught a pig at the Soil Conservation Service field day, and kept it in the backyard too," he added.

Asked why he decided to maintain his dairy herd, Arlen replies, "I have the most interest in dairy and I have the most invested here.

Arlen Keener is proud of Leseyla. She was recently named the 1979 All-Pennsylvania Two Year Old Heifer. This week begins a new show year at the State Farm Show.

Arlen will receive his Star Regional Agri-business Degree during the FFA Convention.

While in high school, Arlen worked for many neighboring farmers. He really appreciates the opportunity he had to work for different people.

There were times when he was expected at more than one place at the same time.

"I have to keep busy, if I have five minutes with nothing to do, I get very bored."

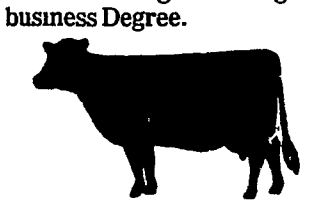
Now, he is busy doing odd jobs in preparation for showing at the Farm Show.

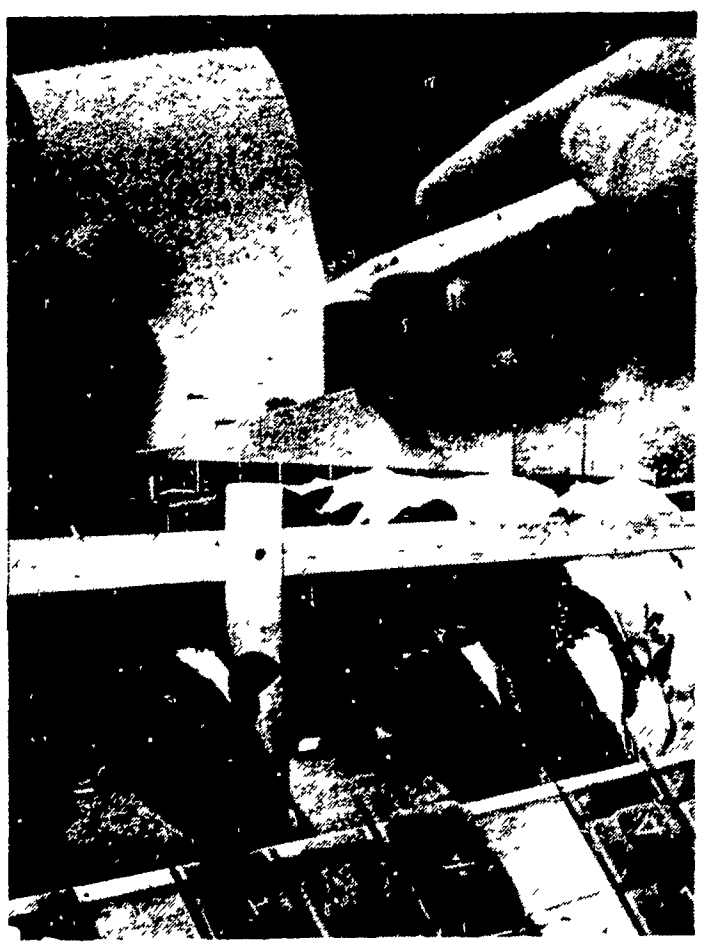
His evenings are often booked with Club meetings. He is presently serving as a director of the Lancaster County Junior Holstein Club. He is president of the Lancaster County 4-H Club and is a member of the State and National Junior Holstein Associations. He is active in the Elizabethtown Mennonite Youth Fellowship.

Arlen is appreciative of the support of William Erickson, the Elizabethtown FFA Advisor. He encouraged me to complete the Keystone Degree form.

It is also obvious that Arlen is appreciative of the Kauffman family. They have encouraged him as a young boy and have employed him as a young man.

Without a doubt, the Kauffman's have contributed to Arlen's desire to show cattle, begin his own herd, work as a herdsman, and his present honor - the Eastern Regional Agri-business Degree.





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Looking for ways to cut on down on out-of-pocket feed costs without cutting down on milk production?

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Gasohol meeting

(Continued from Page A1)

He said the group was a non-profit, non-stock association supported only by people interested in the gasohol movement.

Membership in the State Gasohol Commission will be solicited at $25 dues per year.

According to Myron Reaman, Chief Executive Officer of the National Gasohol Commission, the Pennsylvania group is eligible for membership in the National Commission upon payment of a $5000 assessment.

The state dues go to the National Commission which uses the money to publicise local and national projects concerning gasohol.

Four state board members have been named. They include Reynolds; Morton Fry; E. Kendall Pye, a University of Pennsylvania biochemist; and Robert Ryan, a Certified Public Accountant from Pittsburgh.

The State Gasohol Commission seeks to develop, accumulate, and disseminate information concerning all aspects of research, development, new technology, financing and other subjects related to the production of alcohol for fuel.

It also plans to promote and encourage the production of alcohol as a renewable agri-fuel.

The Commission said it plans to explore, analyze and coordinate Federal and State legislative and administrative policies, programs and procedures to maximize the use of gasohol.

The Commission lists the following goals: total energy self-sufficiency for the state of Pennsylvania; a stable supply and price for automotive and home heating fuels; stimulation of the job market in the state through construction and operation of new alcohol facilities and increased agricultural employment.

The Commission also said it seeks to raise the level of farm economy by using idle farmland taken out of production over the past few decades.

The Commission said the land would be used for production of biomass to be used in the alcohol plants.

The Commission said it hopes to coordinate information concerning availability, production and managment of biomass.

They said they hope Pennsylvania will serve as a blueprint for the nation. They said they hope to lead the nation into an economic revolution by using 100 percent alcohol fuel for all transportation.

To this end a 13 member Board of Directors will be formed. The state has been divided into nine regions.

One representative from each of the nine regions will sit on the Board. In addition, the president, vice president, secretary and a treasurer will bring the total to 13.

The Southeastern part of the state, including Lancaster, Lebanon, Berks, Chester and counties to the East is in Region IX.

Region VIII includes the South-central counties from York to Bedford and North to Cumberland.

Region VII is the Southwestern corner of the state, Region VI is the East-central counties, including Lehigh, Northampton and up to Luzerne and Pike.

Region IV is the West-central area, with III being the Northeastern corner of the state, II the Northern tier, and I the Northwestern corner.

The Commission said it hopes to form several boards, including an Executive Board to be composed of the officers and three to five members of the Commission.

There will be a number of committees, including a funds raising group.

This group will be charged with getting money from a major source such as the Federal Department of Energy, Mellon Foundation, the Agriculture Department, or a major corporation like Westinghouse or Alcoa.

In addition they will solicit dues from members and counties.

There will be a political arm committee which will seek the necessary legislation to make gasohol a viable concept through reducing legal hassles and obtaining favorable laws.

An organizational committee will organize the local regions. Each of these local regions will elect one member to the State Commission's board.

There also will be a technical committee, advertising committee, and a state convention committee.

They will seek to gather information, gain publicity for the group's work, and run a state convention.

The first convention tentatively is scheduled to be held in Harrisburg during the summer of 1980.

Persons interested in more information on the State Gasohol Commission, Inc. can write 606 Island Avenue, McKees Rocks, PA 15136, or call 412/771-2614 for details. — CH

Farmers get encouraging news at gasohol field day

EPHRATA — Farmers were reassured Thursday afternoon that the State of Pennsylvania is firmly committed to looking for alternative sources of fuel. And they were given a tankful of statistics which promise a bright future for gasohol.

The alcohol farm field day was held at the farm of Miles and Morton Fry near Ephrata. About 400 farmers, government officials, curiosity seekers, and businessmen attended the meeting.

Daniel K. Cook, Pennsylvania undersecretary of agriculture, represented Governor Richard Thornburgh before the audience.

Cook said the state's ethanol task force is looking at all alternatives from small stills to 20 million gallon commercial plants.

He said the Governor believes the coming of ethanol will mean jobs for Pennsylvanians and new markets for farmers.

He said farmers may see new crops come into the area — crops like sugar beets for ethanol.

He said hybrid poplar could be used to reclaim worthless coal spoils and turn land lost to non-renewable fossil fuel production into land which could be planted to renewable energy sources.

By far the greatest amount of technical information came from University of Pennsylvania biochemist E. Kendall Pye.

Pye told farmers gasohol production with trees could earn them a bigger net return than corn production.

He said a 100 bushel corn crop, which yields 260 to 280 gallons of alcohol, can gross a farmer $300 an acre if sold at $3 a bushel.

He said hybrid poplars, yielding 15 tons dry material, could give a $340 per acre gross income and would produce about 1800 gallons alcohol per year.

Pye shot down charges that gasohol production is inefficient.

He cited a study by Archer, Daniels, Midland, a Midwestern firm, which shows a positive net energy output with ethanol.

He said the technology for using corn is available right now. He noted General Motors, Ford, and Chrysler all honored warranties for cars driven with gasohol as fuel.

"Right at this moment we can produce ethanol from excess or distressed grain or on poor lands," he said.

This should increase farmers' income, Pye said.

He said he calculated that 10 percent of the land of the United States could produce all of the automotive and diesel fuel used in the country.

Pye said there was no need to dry either corn or wood chips unless they had to be stored. Both would make an efficient source of gasohol for the nation's use.

He said use of gasohol could reduce our fossil fuel consumption by about 50 percent.

He said the big oil companies are in the gasohol act for the first time.

Four years ago when he started a project with General Electric and the University of Pennsylvania, the major oil firms showed no interest in gasohol.

Within the last six months, he said, the oil companies have been test marketing gasohol nationwide and Texaco has started an advertising campaign to promote it.

Edmund Reynolds, the Chairman of the State Gasohol Commission, said the U.S. Department of Energy wants the United States to reduce by 10 percent per year its use of leaded fuels.

He said, "We are doing our best to meet this goal by using gasohol fuel."

Rene F. Loser, Chief Executive Officer of Chemapec, Inc., a New York based manufacturer of distilling equipment, gave an overview of gasohol installations in other parts of the world.

While his talk was aimed at large commercial outlets, he did cite several statistics of interest to the small operator.

For instance, he said corn is the most attractive fuel currently available since the protein content of the grain can be kept and used after the starch is removed and used for fuel.

He said the corn meal resulting after distillation of corn grain contains 60 percent protein.

Because much of the bulk is removed in the process of producing anhydrous alcohol, the resulting feed is easier to ship.

The material is high in a number of vitamins, including Vitamin B, making it an ideal feed for poultry.

Loser said a commercial plant must be producing 10 million to 20 million gallons anhydrous alcohol per year to be profitable.

He said the investment for such a plant would be betwen $30 million and $50 million. A

(Turn to Page A14)

DANIEL SCHRACK BREAKS 9 TON ALFALFA BARRIER

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Gasohol

(Continued from Page A13)

staff of 50 technicians and managment personnel would be required.

But such a plant could make a gallon of alcohol for between 60 and 70 cents.

And Loser added he felt an automobile could be made to run efficiently on a 20 percent alcohol mixture without any major changes in compression or carburation.

The money for a major undertaking such as Loser outlined is available, according to Robert J. Gereg.

Gereg represents the Chicago-based Transfirst Corporation which helps with financing of such projects.

Gereg outlined several plans to provide financing for big gasohol plants.

He said a group of 350 farmers in Indiana have formed a co-op. The farmers have a $20 million project to produce a gasohol plant.

All aspects of the plant are contracted. He said this was just one of many options open to farmers who want to get into gasohol in a big way.

He said the days of 80 or 90 percent financing for any project are long past. And many big lenders are cautious about getting into a yet-unproven field like gasohol which has no track record and unknown collateral value.

Gereg said anyone anticipating a large scale project would have to prove financial viability, show they can control the raw product needed to produce the gasohol, prove they have a market for their output, and demonstrate their technology and personnel is modern enough to be applied to today's conditions.

Myron Reaman encouraged farmers to ask USDA for Miscellaneous Publication 695, Industrial Alcohol.

It was printed in 1950 and no longer is available. But Reaman said he felt if USDA got enough requests for the bulletin that it might update and reprint it.

The publication contained valuable information on gasohol production.

Reaman, head of the National Gasohol Commission in Nebraska, said the Pennsylvania turnout Thursday was the largest he had seen in any state.

He said the National group was formed in January 1978.

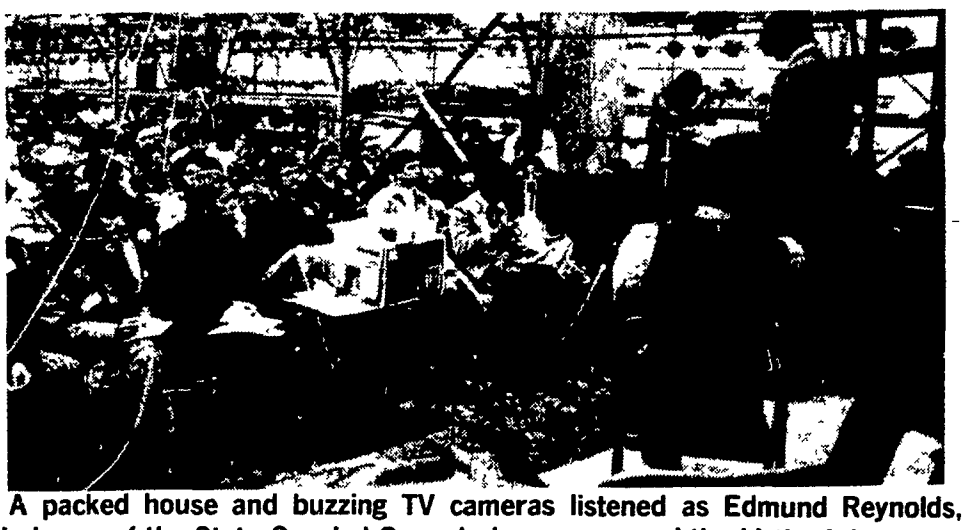
Since that time, he said, it grew to 375 people in 1979, and reached 8000 members by the first of 1980. He projected membership at 21,000 in 1981.

The National Gasohol Commission is located at 521 South 14th Street, Lincoln, Nebraska 68508.

Reaman said the group was active in legislative and informational services for those interested in gasohol.

"If I can keep Washington out of this for another six months we can have a good chance of getting this gasohol program off the ground," he said.

If the attendance at the meeting was any indication, the gasohol idea in Pennsylvania should fly. — CH



A packed house and buzzing TV cameras listened as Edmund Reynolds, Chairman of the State Gasohol Commission, announced the birth of the group committed to renewable fuel sources.

Biochemist E. Kendall Pye told the first meeting of the State Gasohol Commission that ethanol production was possible "right at this moment".

Farm Calendar

(Continued from A10)

Horticulture and Horse council meetings at 7:30 p.m. in the Extension Center.

Dover Young Farmers dairy nutrition meeting, 7:30 p.m. in the Dover High School ag classroom.

Perry County COWAMP meeting in the New Bloomfield Fire Hall, 7 p.m.

Thursday, January 10

The Southeast Pennsylvania Nursery meeting at the Westover Inn and Country Club, Jeffersonville. Registration begins at 1:30 p.m.

Adams County COWAMP meeting in the American Legion Building, 7 p.m.

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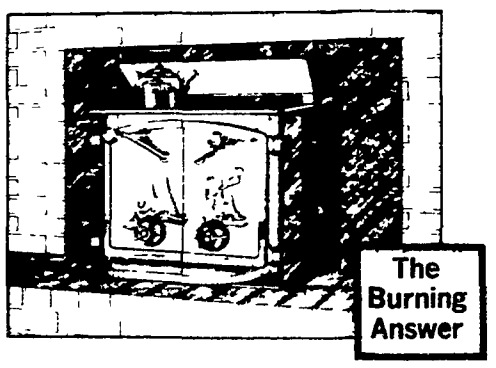

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Herr recognized for service

Lancaster Conservation District elects officers

Walter N. Peechatka, director of the State Conservation Commission, told the District directors the new decade promises exciting possibilities...more people will be looking to Districts for leadership in conservation.

LANCASTER — At their first luncheon meeting held to coordinate the various agencies in conservation in Lancaster County, the Conservation District was commended by Walter Peechatka, of the State Conservation Commission, for having one of the finest programs in Pennsylvania.

"To solve the conservation problems that will face the District in the next decade will take a cooperative effort with other agencies to get the job done." Peechatka continued. Those attending the meeting seemed to agree, for there were representatives from Penn Dot, Pa. Fish Commission, Cooperative Extension Service, Forest Service, County Planning Commisstion, and Soil Conservation Service.

The State Commission Director pointed out that the District program would not have been able to grow as it did in the past ten years without the cooperation of the Lancaster County Commissioners.

New directors were sworn in by Raymond Herr on December 27. From left, Robert Wagner, reelected for a 2nd full term; Ken Depoe, reelected for a third term; and James Huber, Commissioner director.

The Conservation District directors showed their appreciation to Raymond Herr by presenting him a special gift for his service while County Commissioner. Aaron Stauffer, chairman, said "Raymond Herr has

(Turn to Page A28)

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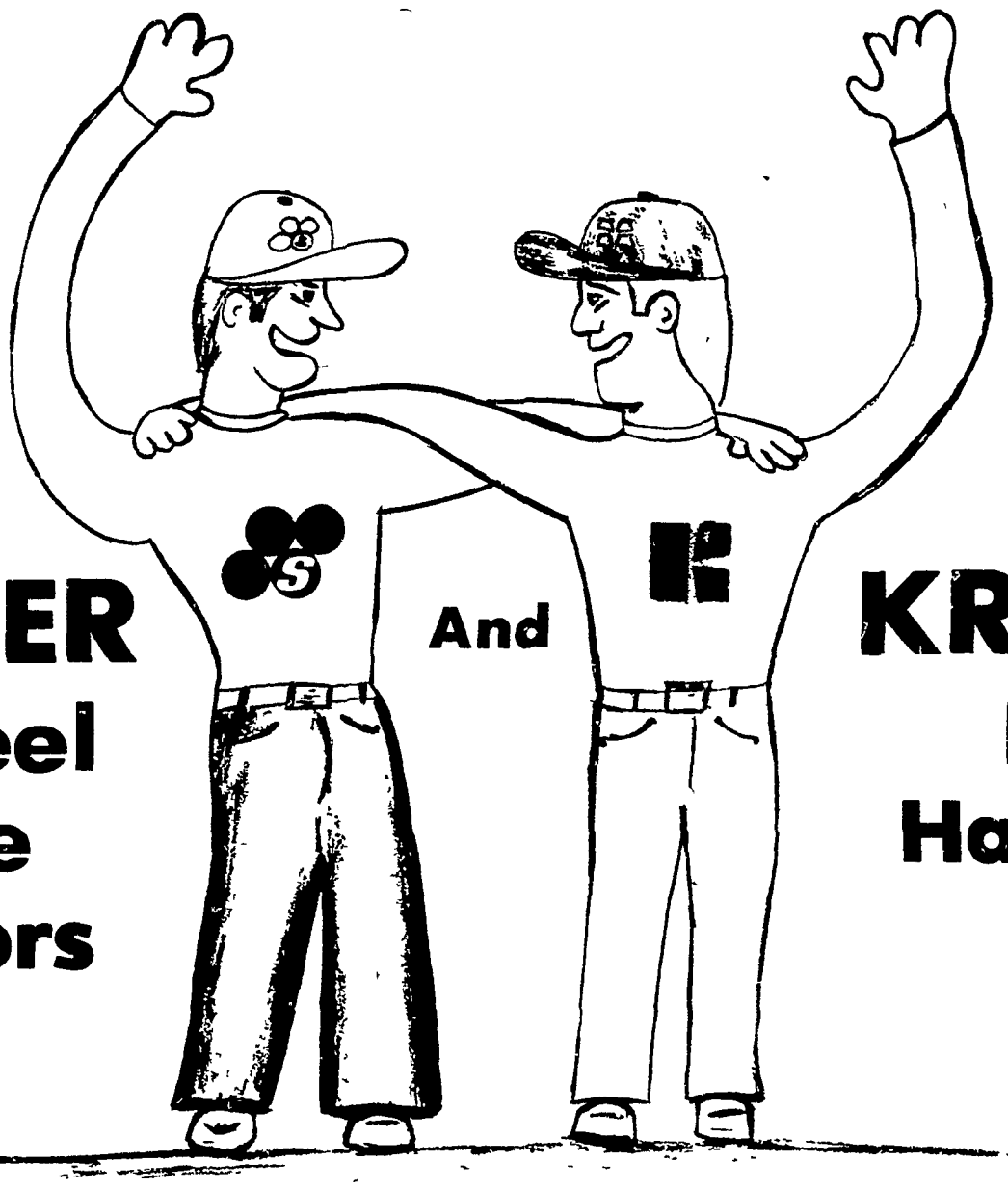

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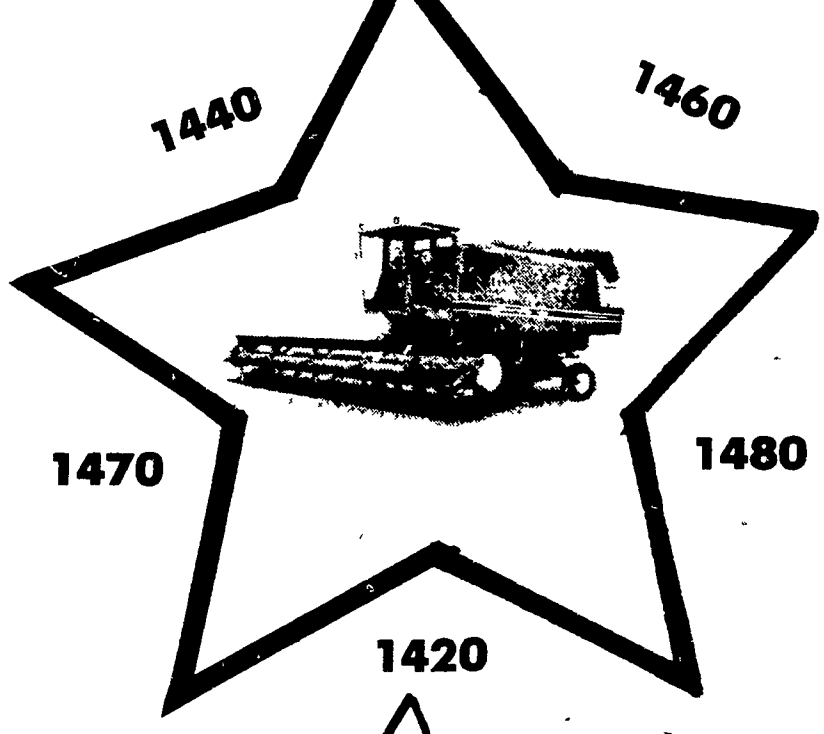

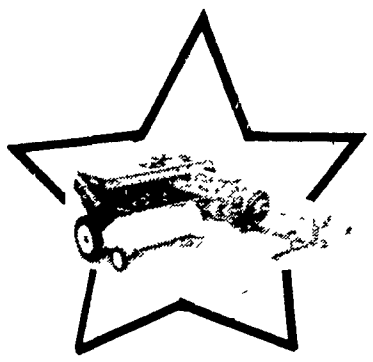

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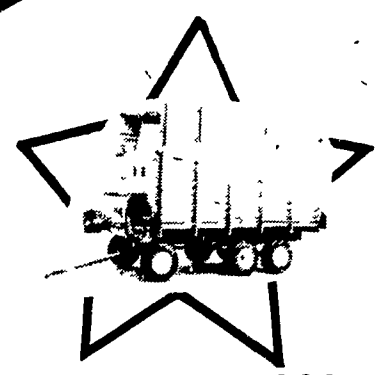

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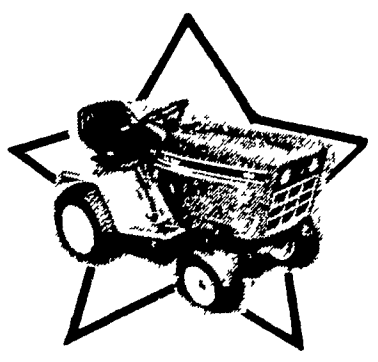

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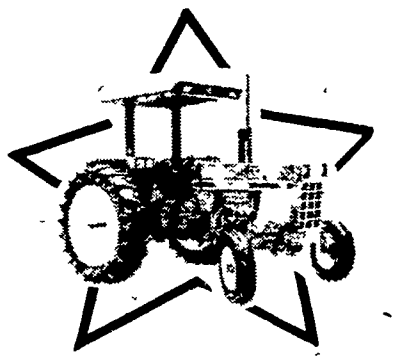

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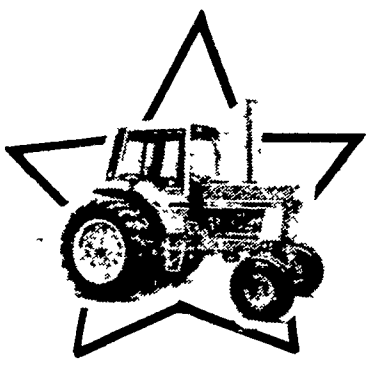
TRACTORS



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Sports, outdoor exhibit set for Farm Show

HARRISBURG — The 25th annual edition of the Eastern Sports and Outdoor Show is scheduled for an eight-day run, Saturday, Feburary 2 through Saturday, Febuary 9 at the Pennsylvnaia State Farm Show Building.

According to Show Director Richard Libertine, this year's exposition will be even larger than the previous shows.

Libertine said, "We're already using all possible exhibit space, but we do have a couple new activities we hope to squeeze into the events schedule. These includes a duck-calling contest, spnosored by Ducks Unlimited, Inc. and a fly-tying contest, sponsored by Trout Unlimited, Inc.

"As usual, this will be a complete sports and outdoor show. Exhibitors come from throughout the United States and Canada to display the latest in hunting and fishing equipment, recreational vehicles, camping and backpacking gear," he said.

Boats and marine products will again have their own display areas and numerous hunting lodges will be represented.

Special events scheduled so far include a week-long archery tournament; duck decoy carving and painting competitions; the sixth annual turkey-calling contest; fishing clinics; the spectacular stage-and-water show and a championship BB Gun Match, featuring school-age sharp-shooters from various parts of the Commonwealth.

Hours for the Eastern Sports and Outdoor Show are: February 2, 10 a.m. to 10 p.m.; February 3, Noon to 7 p.m.; February through February 8, Noon to 10 p.m.; February 9, 10 a.m. to 8 p.m.

Corn refiners elect new directors

WASHINGTON — Gerald M. Mitchell, corporate vice president and head of the milling division of Cargill, Incorporated, was elected chairman of the Board of Directors of the Corn Refiners Association, Inc., at their annual meeting in Washington, D.C.

Leonard T. Lewis, president of Clinton Corn Processing Company, was elected as the Association's vice chairman at the recently concluded meeting.

Mitchell has held a variety of marketing and management positions with Cargill since joining the company in 1952. Mitchell was named an assistant vice president in 1964, and a corporate vice president in 1973.

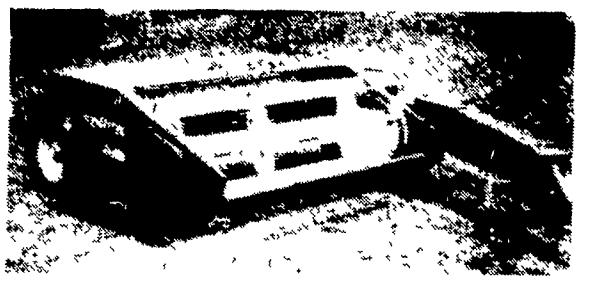
Vice Chairman Leonard T. Lewis has served in numerous operating and management positions with Clinton Corn Processing Company since joining the company as a chemical engineer in 1951.

He became production manager in 1968, vice president for production in 1972, senior vice president for operations in 1974, and was named president of the company in 1976.

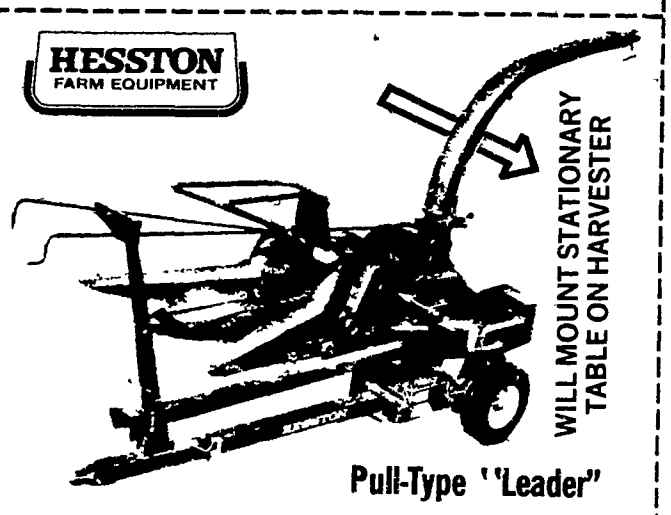
Clinton Corn Processing Company is a division of Standard Brands Incorporated.

HESSTON FARM EQUIPMENT

JANUARY & FEBRUARY BUYERS BONANZA



HESSTON FARM EQUIPMENT



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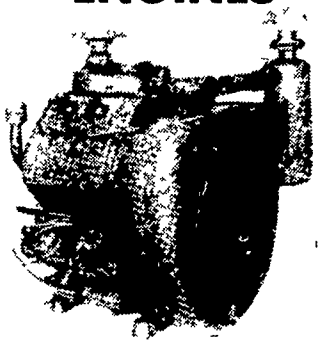

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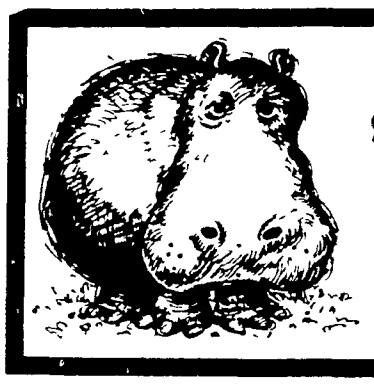

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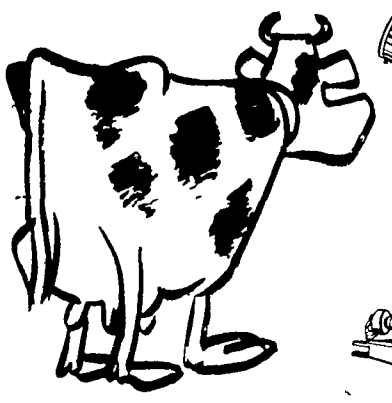
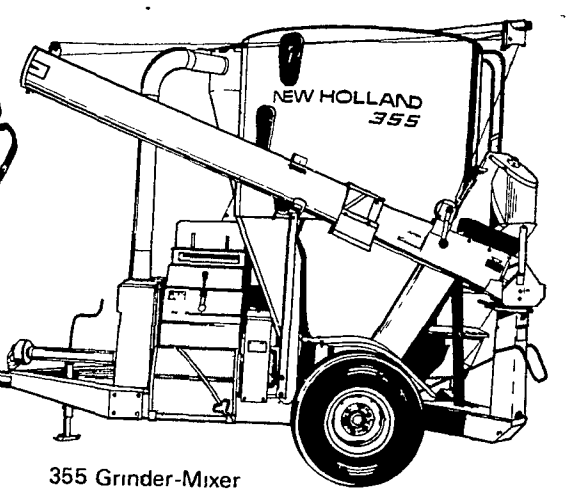
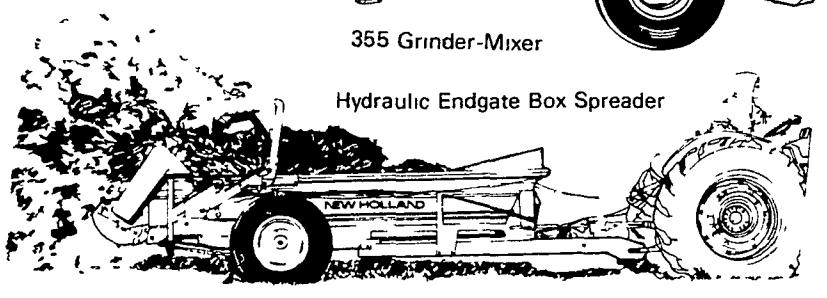




355 Grinder-Mixer



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Fewer dairy farm failures

Local milk price should climb to $1.20 above 1979 average

ALLENTOWN — Dairy farmers in 1980 will see milk prices about $1.20 over 1979. However, farm milk prices will represent a smaller percentage of parity in 1980 than occurred in 1979, said John York, Vice President of LeHigh Valley Dairy Monday.

All milk price received by farmers was 79 percent of parity at the close of the year 1978, and 73 percent of parity at the year ending 1979. In 1980, all milk prices are likely to be 70 percent of parity.

	NEW ENGLAND Order 1	N.Y.-N.J. Order 2 201-210 mile zone	MID-ATLANTIC Order 4 F.O.B. Market	MID-ATLANTIC Order 4 Base
January	$12.12	$12.31	$12.88	$13.06
February	12.90	12.47	13.10	13.30
March	12.85	12.29	13.19	13.36
April	12.74	12.19	13.16	13.33
May	12.71	12.22	13.32	13.52
June	12.77	12.20	13.29	13.45
July	13.41	12.93	13.45	13.56
August	13.94	13.52	13.68	13.79
September	14.19	13.89	13.90	14.02
October	14.36	14.03	14.07	14.20
November	14.26	13.92	14.14	14.28
December	13.89	13.59	14.06	14.20
Average	$13.34	$12.96	$13.52	$13.67

The Federal Order Market Milk prices are forecast as follows for 1980:

The above milk prices are forecast by assuming the Minnesota-Wisconsin manufactured milk price will average $12.05 in 1980.

It is further anticipated that the Secretary of Agriculture will continue dairy support at 80 percent of parity, which is projected to be $11.95 on April 1st and $12.58 on October 1st compared to the present support price of $11.22 for 3.5 percent butterfat.

The average dairyman in 1980, under Federal Order 4 whose daily production is about 2000 pounds, could expect his gross income improved by about $8,700.

A dairyman in Federal Order 2 with 1550 pounds daily production could improve by $6,700.

Spiraling farm operating costs are certain to occur in 1980. Therefore, net income improvement largely depends on individual farm efficiencies, York said.

Currently, milk production nationally is 3 percent higher than a year ago.

The five heaviest milk production states — Wisconsin, California, New York, Pennsylvania and Minnesota — all show an increase in the trend of milk production with California 7 percent above a year ago.

It is anticipated that this trend will continue and may likely be in excess of 3% heavier milk production in 1980 over 1979. Government removals of storable dairy products are increasing, and at the end of 1979, available under the program, was 145 million pounds of butter, 20 million pounds of cheese, and 408 million pounds of non-fat dry milk.

The prospects for 1980 suggest substantial increases in Government removals of these storable dairy products.

Meanwhile, the anticipated increase in imports of cheese, occasioned by the passage of the 1979 Trade Act, will further expand Government removals, he said.

The most critical issue confronting dairy farmers in 1980 will be increased energy costs. They will cause higher costs of production, higher feed prices, higher fertilizer, and higher milk hauling rates.

Despite the semi-annual adjustment in support price to reflect the anticipated increases in the Index of Prices Paid by farmers, net farm income could narrow.

While milk production is likely to exceed the 1978-79 level by more than 3 percent, the per capita civilian consumption of dairy products will not change significantly in 1980 except for further increases in the consumption of cheese and further decreases in evaporated and condensed milk products.

Consequently, with per capita consumption of all dairy products about equal to 1979 and domestic supplies of milk up with additional imports of cheese, Government removals and holdings might double what they were in 1979, York said.

The Northeast is likely to see less movement of milk and dairy products into the Northeast from other parts of the country in 1980 and future years, as long as high energy costs impact heavy on transportation rates.

Meanwhile, the slowing down of the industrial sector of the Northeast economy is likely to encourage milk production since the alternatives to farming may be more limited in 1980.

The attrition rate of dairy farmers may continue to slow down in 1980. Amongst the three federally regulated markets in the Northeast, dairy farm numbers have not dropped as fast in 1979 as they did in 1978.

In 1978, the Mid-Atlantic market saw a reduction of 600 farmers from January through to the end of the year, while in 1979, 100 farmers; in the N.Y.-N.J. market a drop of 500 farmers from the beginning of 1978 through the end of the year, and 150 farmers from the beginning of 1979 through the end of the year. In the New England market, there was a drop of 325 farmers in the 1978 period, and 130 farmers in the 1979 period.

Meanwhile, production per day per dairy in these three markets have been increasing at the rate of about 100 pounds per day per dairy for each of the past three years.

It can be anticipated that further increase in the production of milk per dairy will occur in 1980.

In addition, two of the five highest milk production states in the nation, New York and Pennsylvania, are currently running between 3 percent and 4 percent above a year ago, with Vermont 6 percent above a year ago.

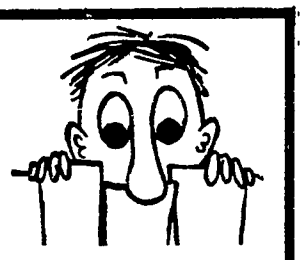
Northeast milk supplies will not be in as good balance with demand in 1980 as it was in 1979. Dislocation of market outlets for producers may very well be prevalent, particularly during the heavy Spring surplus period of the year.

While market prices in the Northeast will improve, the rate of improvement may not keep pace with inflationary costs, and the milk feed price ratio, while favorable, is not likely to be as good as it was in 1978-79.

The Order 4 market is likely to be the most favorable in 1980 of the Northeast federally regulated markets.

In addition, a producer in the federal order Mid-Atlantic market can improve his individual position by producing more base milk available to him in that market.

Market stability will depend upon the Cooperatives' ability to package milk and handle the excess in 1980, York predicted.



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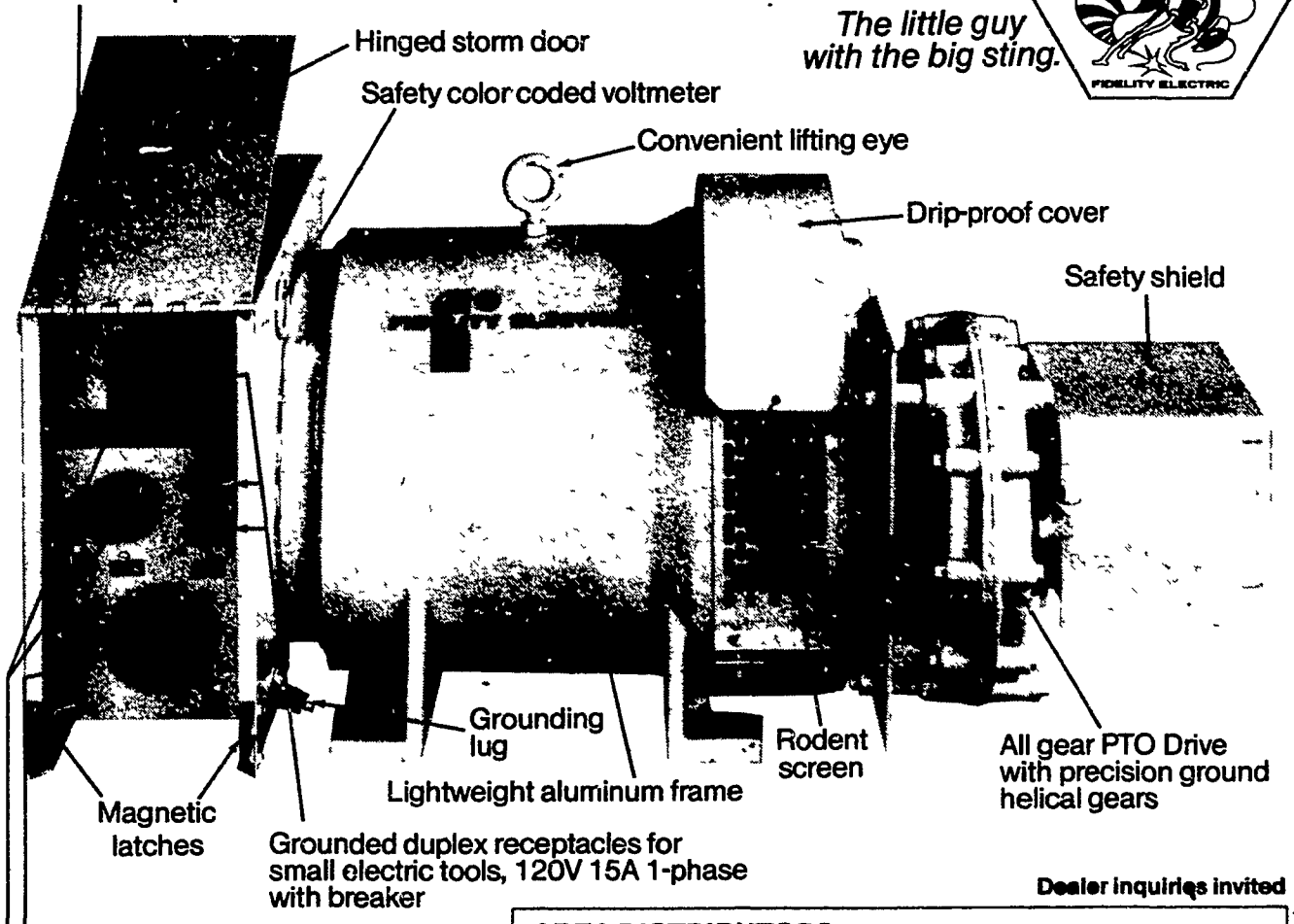
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STOP IN AND VISIT US AT BOOTH P-26, P-27 At the PA FARM SHOW

Staver drops books to show sheep, a family tradition

BY SHEILA MILLER

PALMYRA — Getting an animal ready for the Pennsylvania Farm Show takes a lot of time and patience, as any exhibitor from past shows knows. For many people, competing in Harrisburg during the traditionally coldest and snowiest week of the year is an experience they live through once and never again. But for Julia Staver, R.D. 1 Palmyra, this year marks her fifteenth year in competition at Pennsylvania's largest livestock show.

Julie started showing sheep when she joined the Dauphin County 4-H sheep club when she was ten years old. By the time she was twelve, Julie was exhibiting her project lamb at the Farm Show.

Although not always a winner, Julie is proud that she came home with top honors two years in a row. In 1971, she exhibited the champion pen of market lambs. And in 1972, she showed the grand champion market lamb. That lamb sold for $32 a pound, which Julie said was a Farm Show record then and still may be the highest price paid for a lamb at the Harrisburg show.

Showing sheep is a tradition for the Staver family. Julie's parents bought a few grade sheep after they were married and moved to their 130 acre farm near Hershey. When Julie and her older brother Chuck joined the 4-H club, the Stavers invested in purebred Hampshire stock.

After a short time, Julie said, her brother became interested in the Dorset breed. He travelled to see the secretary of the Continental Dorset club and bought four of the culled ewes. One of these original ewes is the predominent maternal ancestor to the Stavers' flock of fifty ewes.

Through the years, the Stavers bred the horns off their flock by using polled rams. Julie says that they still have some sheep with scurs and bits of fine horn. "If it's a good sheep, it doesn't matter if it's scurred. We're going to keep it," she added.

The advantage to having a polled flock, Julie noted, is the sheep are easier to handle. They don't get caught in the hay feeders or fences. "You always have one that doesn't come out of the barn and you just know that she's stuck in the hay feeder. So, you always have to go in the barn and twist her head to get her loose," she said.

Over the years, the Stavers' flock has grown and improved. Julie stated that they were careful not to sell the best of their purebred stock in order to maintain their herd quality. "You have to be ruthless about what you keep and sell."

Selecting the best qualities in Dorset sheep is not always an easy job, especially for the judge at Farm Show. This year, the Stavers' will be entering six or seven breeding sheep and one carcass lamb.

"The carcass class is tough for the judge," Julie said, "because the sheep are judged on foot, then butchered and hung out front on display. We like to kid the judge when a lamb that placed last on foot is hung up in the top five carcasses."

Julie recalled that the toughest class she remembers during her years in 4-H was the blocking and showing competition. She explained that each contestant was given an hour to fit up a sheep that looked terrible. Julie won the contest one year, and didn't compete again. She said her philosophy was after winning something once, get out and let someone else win.

Sheep aren't the only animals that Julie has shown. She was a member of the 4-H dairy club, and had a Holstein calf for a project. She raised her heifer, bred her and showed the calf.

"My heifer never did well as a 4-H calf," Julie explained, "because she was always too big and too awkward." She later sold the heifer to Ray Seidel of Berks County and the "too-big" heifer was to become an All-American Aged cow.

Julie's life and experience on the farm is an asset to her in her studies at the University of Pennsylvania's School of Veterinary Medicine. She is in her second semester of her second year as a veterinary student. After graduation in 1982, Julie hopes to be able to set up a practice in a rural community where she will take care of everyones animals, large and small.

Julie said she prefers to work with large animals but realized the necessities of not limiting her practice. She stated that a woman vet may not be accepted in many communities, except as a small animal doctor. She quickly pointed out that the idea that a woman cannot handle large animals was ridiculous.

"Let's face it, a man can get hurt if he tries to wrestle with a horse or a cow," She said. "A woman probably wouldn't get into a situation where she can get hurt because she knows the limits of her strength." She said that with the modern equipment and better facilities today, there are

(Turn to Page A21)

Julie Staver takes time out of her busy schedule to help show her families Dorset sheep at this year's Farm Show. She has been showing sheep since she was ten years old.

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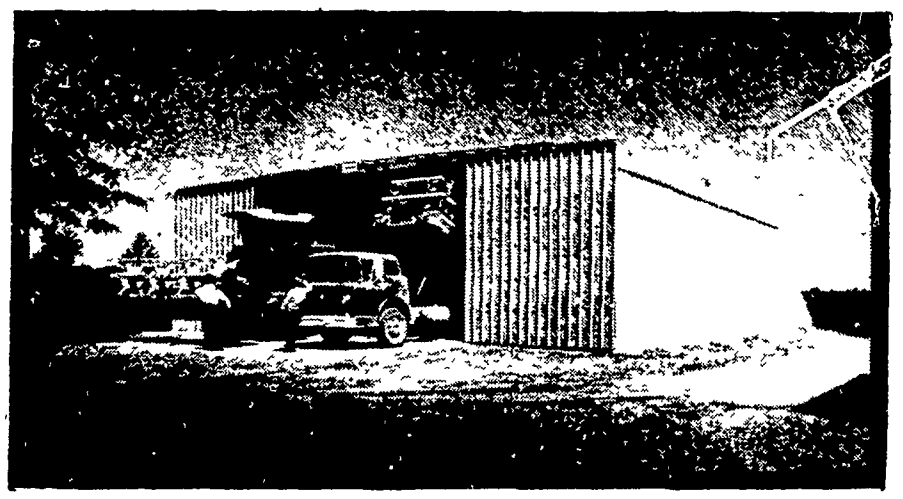

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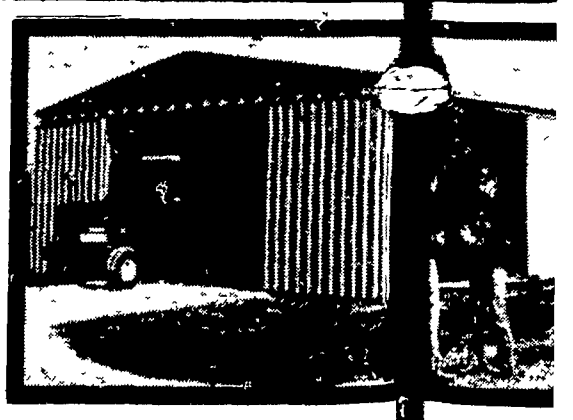

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Staver

(Continued from Page A20)

few occasions when it would be necessary to "man-handle" animals to treat them.

If it takes strength or stamina to become a vet, Julie is undoubtedly more qualified than most. Not only is she a full-time student and part-time sheep fitter, she is also a member of the United States Women's Field Hockey team.

Working her playing trips in between classes at vet school has not been difficult so far, she noted. She has the summers off until her third year in school, which gives her the time she needs for hockey camps, training and games.

When she does have to miss classes for either hockey or a sheep show, Julie says the teachers and her fellow students are very helpful. The students have a note service, where the lectures are recorded on tape and copies are typed for the people who need them.

Catching up in courses like anatomy, biochemistry, physiology, pharmacology, pathology and anesthesiology is no easy task for the U.S. athlete and vet student. "Last spring I was gone for three weeks, and when I got back I sat at my desk for three solid weeks, concentrating on my hardest courses."

Despite her hectic schedule in school, Julie devotes herself to her sport. She has served as the national team's captain on their playing trips since 1978. She has been a team member since 1974, travelling to Europe, Africa, Scotland, England, Wales, Ireland, and Holland, and Vancouver, Canada.

This past August, Julie travelled with her team to the World Championships in Vancouver. Their team was ranked eleventh going into the games and came out in third place. During these games, the U.S. team beat the English team for the first time.

In 1978, Julie recalled, the English had invited the U.S. team to play at Wimbley Stadium. This was quite an honor because the English team invites only one country to play each year. It was an incredible experience, she said, to have 76,000 screaming fans watching the game, and all of them cheering for the other team. In that game, the U.S. and English field hockey teams tied, 2-2.

Julie and her team mates are looking forward to a bid to next year's summer Olympics to be held in Moscow. The suspense will be over sometime in February when the teams will be selected and invited to compete.

Last Spring, the U.S. team played the Soviet Union for the first time, beating them 8-2. But the win against England seems to be the most important victory in Julie's mind.

"When someone's good, you follow behind and do what they do and you never get ahead," she said. "So, we decided to push out on our own and develop our own style of hockey rather than copying England's game plans. And we won."

Her desire to win and improve has been an important motivation in Julie Staver's life, whether it was showing sheep at the Farm Show, playing field hockey, or scoring high on an exam in vet school. In her case, the "S" in her initials, stands for Success.

Julie inspects some of the yearling ewes. The flock at Ovine Alley numbers around 50, with most of the ewes being descendents of one ewe that was among the four original Dorsets purchased by the Stavers.

Red meat production up slightly

HARRISBURG — Commercial red meat production in Pennsylvania during November totaled 89.5 million pounds, up one percent from a year earlier.

Cattle slaughter at 63,400 head was down 13 percent, while calf slaughter at 20,900 head dropped 25 percent from last year. Hog slaughter at 307,100 head increased 15 percent from November 1978. Sheep and lamb slaughter at 13,200 head was up 16 percent from a year ago.

Nationally, commercial red meat production during November totaled 3.31 billion pounds, down one percent from November 1978.

Beef production at 1.78 billion pounds was down 13 percent, while veal output at 34 million pounds was down 24 percent.

Pork production totaled 1.47 billion pounds, up 19 percent. The 8.50 million head was up 21 percent and was a record kill for the month of November.

Lamb and mutton production declined eight percent to 23 million pounds.

Md. haylift directory being compiled

ANNAPOLIS, Md. — The 1980 edition of Operation Maryland Haylift is presently being compiled with plans for distribution around February 1.

Farmers having surplus supplies of hay, straw, or other roughages may be listed in the directory by sending the following information to Haylift, Maryland Department of Agriculture, Parole Plaza Office Building, Annapolis, MD. 21401: Name, Address, Phone No., County, Types, and Amounts of hay, straw, or other roughages.

Information must be received by January 15.

Request for the directory should be mailed to the address above by February 1, 1980.

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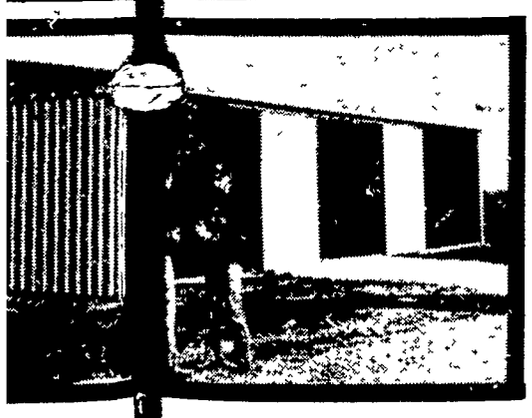

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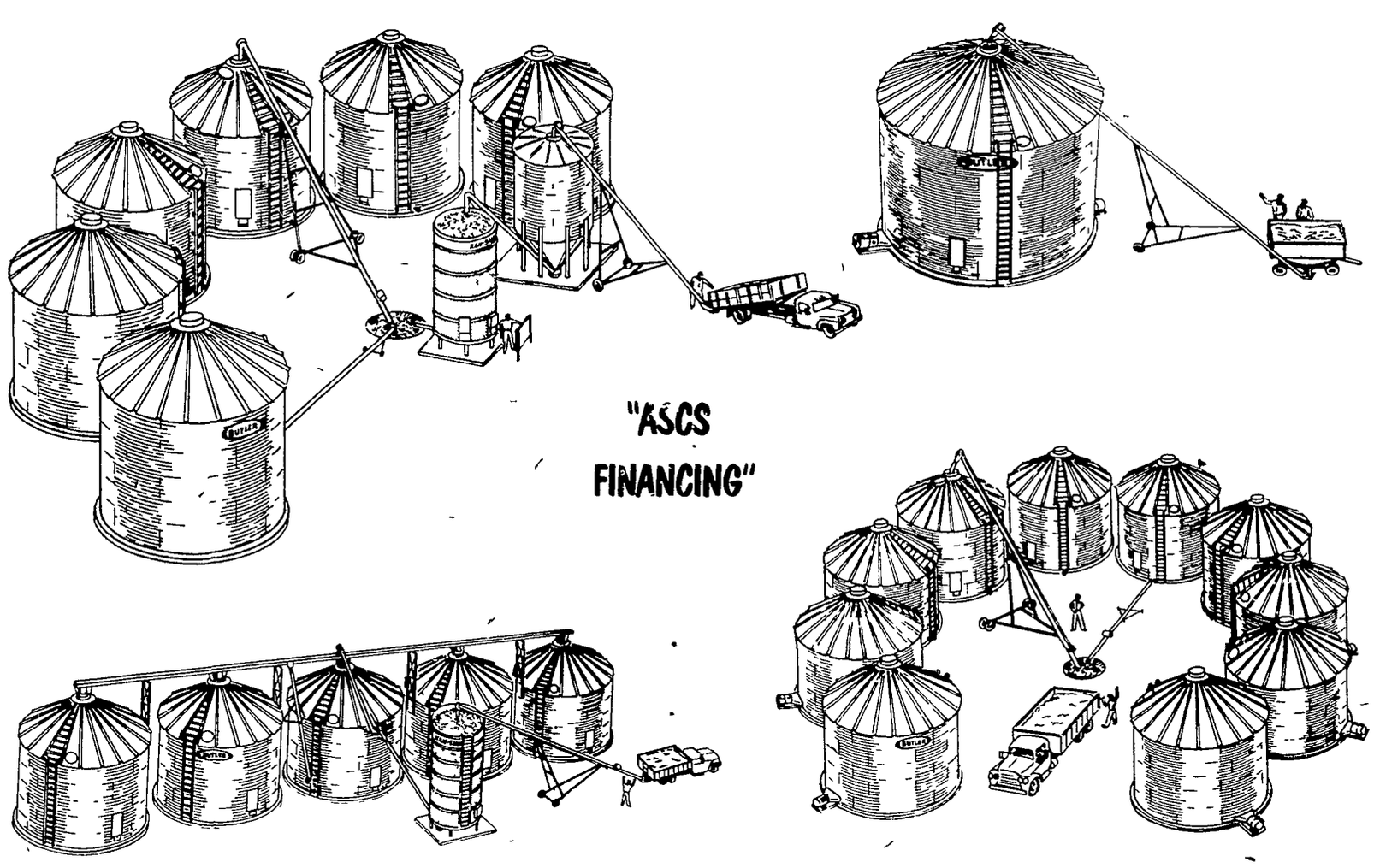

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Virginville Grange meets

VIRGINVILLE — At a recent meeting, the Virginville Grange passed a new resolution to get prayer back into the schools. They are calling on all of their members to contact their Congressman and Senators in Washington, D.C. and make their feelings known.

The Grangers were encouraged to sign two petitions, numbered six and seven for the Holt (D-Md.) and Crane (R-Ill.) bill that would permit prayers in public schools. The Virginville members said they must show strong grass roots support for school prayer, now.

During their meeting, two new members were accepted. They were Darlene Dietrich and Debra Mohn. An appropriate song, "No More Prayer or Bible Reading in the School" was sung by Dorothy Kershner and Clyde Baver.

It was reported that the Women's Activity group gave a gift to Irene Schaffer at the Hamburg Center. The members were also informed that the following people were ill: Paul H. Miller, Dorothy Miller, John Sonon, Harlan Wessner, and Esther Stitzel. On the brighter side, Mr. and Mrs. Kenneth Leiby became proud parents.

The Grange youth went Christmas caroling to all of the 50 year members and charter members. They presented them with a fruit basket and an ornament.

The Christmas party was held December 26 at the hall. The members brought a covered dish and a dessert, along with a small gift for their exchange.

The Juniors presented a literary program. The group sang "Jingle Bells", and various other carols. Special presentations were given by Tracy Wagner and Shelia Newhard. Several skits were acted out by the group.

Winter gardens were given to the following: last person to arive, Santa; first person to arrive, Curtis Seidel; oldest person present, Stella Baver; Christmas birthday, Grace Kleinecht; person who came the futherest distance, William Snyder; New Years birthday, Richard Schaffer; two birthdays closest to Christmas, Christine Mengel and Kirk Dreibelbis.

Future meetings scheduled are the Youth Meeting on January 7, and a dance on January 19. There will be a bowling party on January 26 at Laurel Lanes. The county play will be held March 28-29 at the Fleetwood Grange. Those wishing to participate should contact Steve. The next county meeting will be held on January 9.

The meeting closed with a New Year's resolution to have a goal of 85 members for 1980.

It's time to feed the birds

FLEMINGTON, N.J. — It's that time of year when our wild birds rely on us for most of their sustenance. And once you start feeding birds, it's important to continue, because they do become dependent on you, as the snow and ice covers the ground and their natural

Bird feeders are best located in a sunny, southeast exposure, sheltered from the prevailing winds, and near shrubs or trees which offer additional protection.

xxx

Are you buying cheese already shredded? If the package reads eight ounces, that means two cups of shredded cheese.

There are many satisfactory bird seed combinations available commercially. One of the basic ingredients is corn, a grain noted for its high energy. It should, however, be cracker fine, as one would offer baby chicks.

Other important ingredients include red and white millets, grain sorghums, sunflower seeds, and peanut hearts.

Most species of wild birds have a particular preference for sunflower seeds, so many of our bird feeders add extra sunflower seeds to the regularly available mixtures.

Generally, a good bird seed mix offered in a well placed feeder will attract chickadees, purple finches, goldfinches, evening grosbeaks and nuthatches. Some birds, juncos, tree sparrows, mounrning doves, fox sparrows, bob whites, and brown thrashers will prefer to feed on the ground.

Blue jays, grackles, starlings, and house sparrows will be attracted to the feeder as well. But some people feel that a scratch feed, high in coarser cracked corn and other grains, spread on the ground, will reduce their visits to the feeder.

Suet may be offered in a rack or fastened to a post or tree.

There are a number of flowering and fruit-bearing trees and shrubs that are considered to be highly attractive to wild birds. Examples are flowering dogwood, Japanese flowering crabapple, hawthorn, highbush cranberry, autumn olive, tartarian honeysuckle, cotoneaster, and many others.

We have an excellent publication, "Invite Birds to Your Home," listing shrubs and trees, and suggested locations to not only attract wild birds, but beautify your yard. Prepared by a Soil Conservation Service biologist, it's one of the best leaflets we've seen on the subject.

It's available in the Extension Center, Route 31, in the offices of the Extension Service and SCS.

If you are considering planting a variety of wildlife shrubs, it's really not too early to consider your choices and to place your orders for young plants.

Road Apple Gang hears demonstrations

FLEMINGTON, N.J. — At the last meeting of the Road Apple Gang 4-H Horse Club, three members gave demonstrations. Kelly Bugle reported on "Feeds and Supplements for the Health of the Horse"; Pam Bugle's gave a demonstration on "Tools and Their Lives"; and Karen Horvath's demonstration was "Different Types of Bits".

In addition to the demonstrations, the club discussed upcoming events, and designs for T-shirts. Reported by Teresa Rembelles, Club Reporter.

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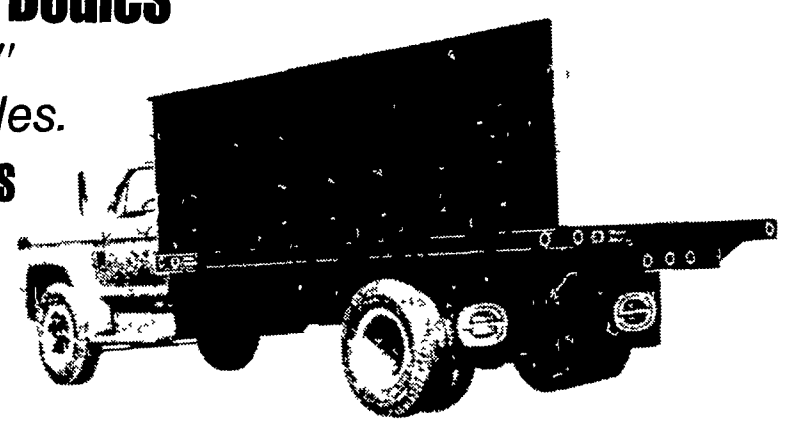

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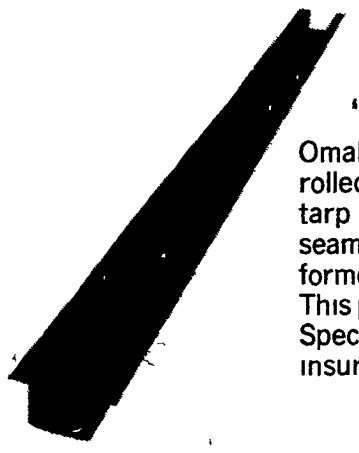

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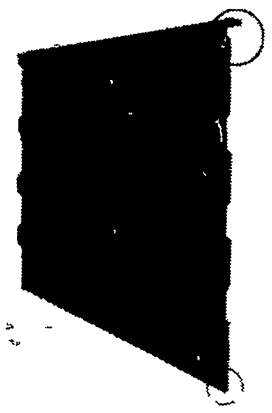

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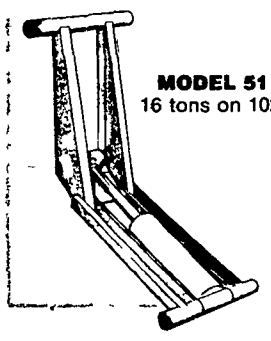

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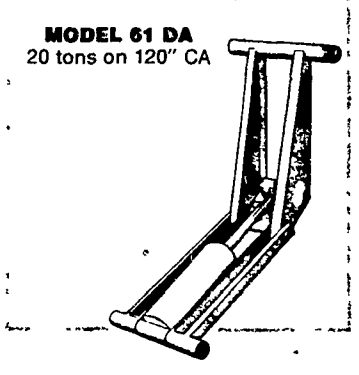

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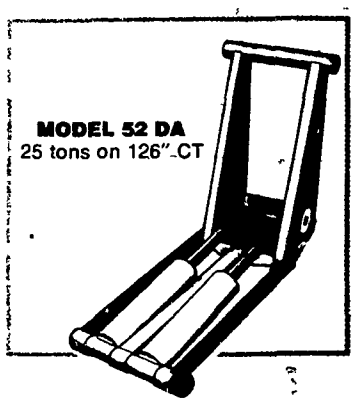

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- 2" chrome plated rods
- 12½" mounting height
- Double-acting
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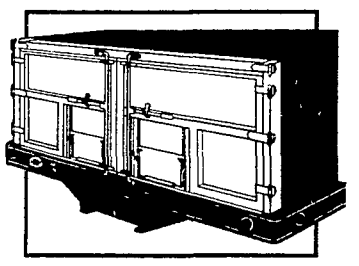

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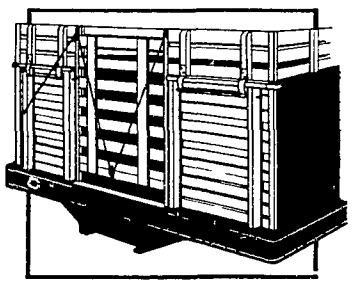

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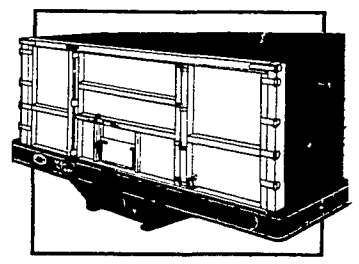
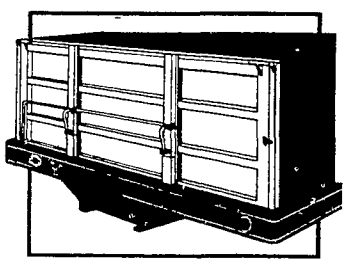
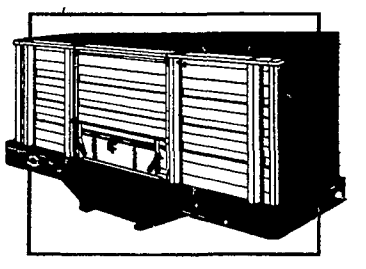


Three-section Full Opening Rear Door for steel bodies—includes grain trap—available in 40" and 52"



Top-hinged Dump Gate for Steel Bodies—available in 40" and 52"



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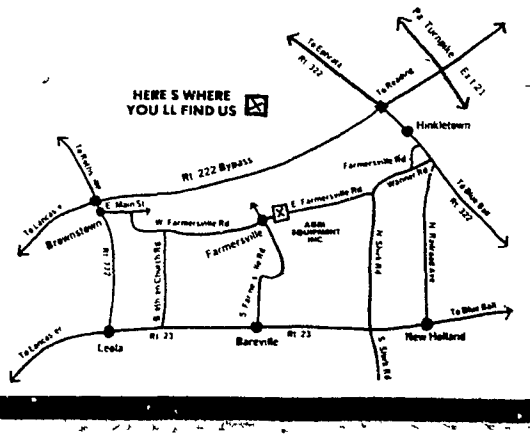

Two Penn Manor families have four Keystone sons

Clyde and Alma Hunt, right, with their four sons, all of whom have won Keystone Farmer degrees, the highest FFA degree on a state level. The sons, left to right, and the year of their awards are: Ramon, 1980; Randy, 1975; Ron, 1976, and Richard, 1977. Ron went on to win the American Farmer degree, awarded this past November at the National FFA Convention in Kansas City.

BY DICK WANNER

MILLERSVILLE — When Gordon Long and Ramon Hunt pick up their FFA Keystone Farmer degrees next week in Harrisburg, they will be adding one more item to an unusually long list of coincidences.

Gordon, the fourth son of Mr. and Mrs. Harold Long, R3 Columbia, is the fourth Long to earn the Keystone degree. He lives with his parents on a small, family owned farm. Both his parents held full-time jobs off the farm. All three of Gordon's brothers work in some phase of agriculture or agribusiness, which is what Gordon plans to do after he graduates from Penn Manor High School. He has been a Penn Manor FFA member since his freshman year.

Gordon's friend, Ramon Hunt, is the son of Mr. and Mrs. Clyde Hunt, Millersville R1. Other than that, everything so far mentioned about Gordon applies just as well to Ramon.

There are differences of course, both in the new Keystone Farmers and in their families.

The Hunts live on a farm belonging to Isaac Hunt, Ramon's grandfather. Both Clyde and Alma Hunt work for Lancaster County Farms, the former Clay Reese Co., wholesalers of eggs, butter and cheese.

Ramon's oldest brother, Randy, graduated from Penn Manor in 1975. Randy is now farming on the halves with his grandfather on 130 acres outside Millersville. A new barn, silo and automatic feeder have just been installed that will let Randy feed out 150 steers a year, about double the number he was able to handle before. He'll also be raising 200 feeder pigs to market weight.

Ron Hunt, a 1976 Penn Manor graduate, went a step beyond the Keystone Degree this year when he picked up an American Farmer degree in Kansas City. As a maintenance worker at R&K Agri-Service, the former Royster Co. near Lancaster, Ron helps keep the machinery there in working order. His business sense and his welding and mechanical skills helped earn for him the American Farmer degree.

Rick Hunt, a 1977 Keystone Degree winner, is helping his brother Randy on the farm, and hiring himself out to neighbors. He was also building a business in tractor repairs and repainting when fire earlier this year destroyed the barn where he was working. A new structure, measuring 50'x84' is now being built, and when it's finished, Rick expects to pick up where he left off with the tractor work.

After he graduates in June, Ramon hopes to find work in ag mechanics. Like his brothers, Ramon's FFA projects included hogs, tobacco and corn. Last year he grew 12 acres of corn on ground that Randy will be using this year to grow feed for the steers.

And, like his brothers, Ramon was an active member of the Penn Manor FFA chapter, where he held a number of offices, including vice-president.

"We never pushed any of the boys into vo-ag or FFA," Ramon's parents said in the living room of their red brick house. "They have all taken an interest in vo-ag, they've all had excellent teachers and we've tried to give them whatever support and encouragement we were able to.

"It seems to have worked out with all of them."

Those words were nearly echoed in the kitchen of the rambling old farmhouse where the Longs live, by a sharp bend in Franklin Road, outside Columbia.

"I give Gus Birchler a lot of credit for running a good ag department," Howard Long said. "Our four sons did well in vo-ag and FFA, and I don't think they could have gone as far if it hadn't been for the excellent teachers they had at Penn Manor."

Howard Long is a driver for Allied Mills in Lancaster,

(Turn to Page A36)

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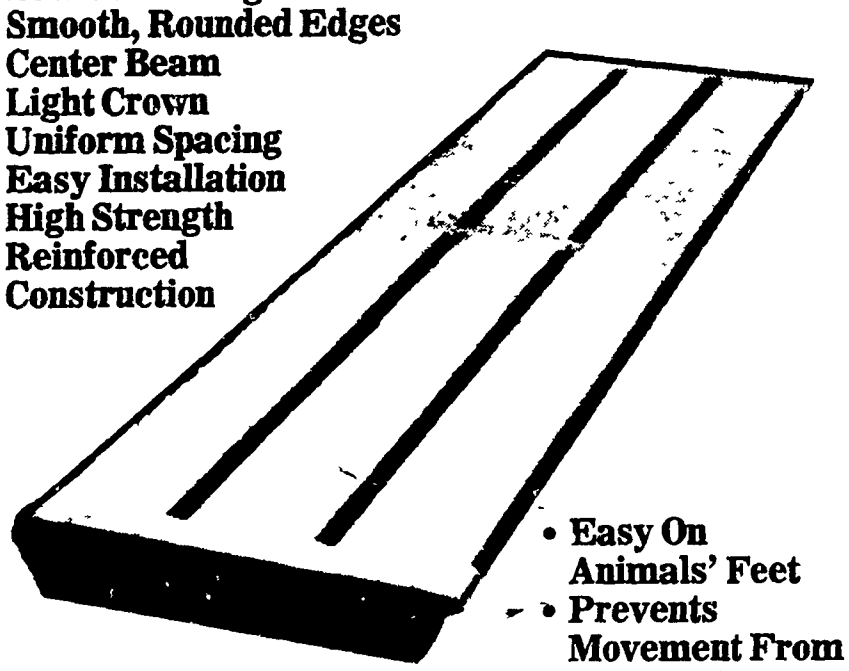

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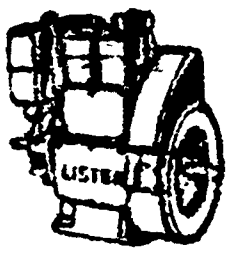

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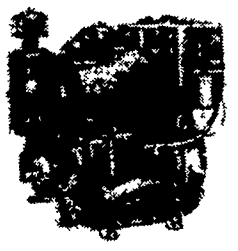

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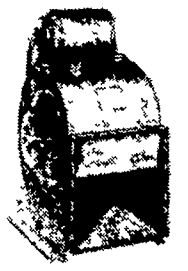

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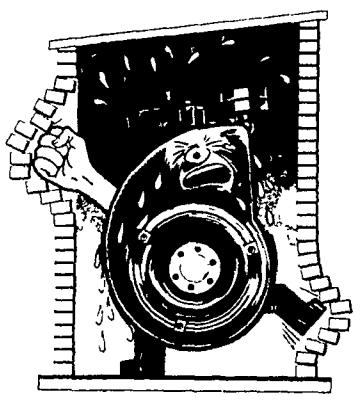

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Typey heifers are top crop on Franklin County dairy farm

The Raymond Helman barn is full of classey looking two year olds. Helmans got their start with a Canadian bull, and will have seven animals from their herd at Farm Show.

CHAMBERSBURG — A remarkable bargain bull has given a Chambersburg dairy family an outstanding herd of Registered Holsteins, and a growing pile of awards from shows in Franklin County and in Harrisburg.

Raymond Helman had been a Holstein breeder for over a quarter of a century in 1970, when he made a special trip to Canada to attend a dairy sale. A local cattle dealer had told him there would be some special animals going under the auctioneer's gavel, and Helman and his wife, Mary, wasnted to see for themselves.

They came back with a young bull named C. Kenola Rocky, a son of the legendary Seiling Rockman.

Seiling Rockman is to Canada what Ivanhoe is to the U.S., Helman said, and any son of Seiling Rockman seemed a good bet for the herd in Chambersburg.

C. Kenola Rocky - "Rocky" for short - was bought for $700, and earned both his purchase price and his keep for nearly a decade before a broken leg did him in a year ago New Year's Eve.

Helman and his three sons Robert, Stanley and Wayne, talked about Rocky and about dairying one recent morning in their dining room while Mrs. Helman bustled about the kitchen, pausing to throw out names, dates and figures her menfolk were slow in remembering.

The Helmans farm 477 acres of Franklin County ground, 147 acres of which is the home farm. They grow mostly alfalfa and corn, with some oats, barley and clover-timothy hay. About 200 animals live on the farm, with a milking herd of some 85 head.

Although artificial insemination is used in the Helman's breeding program, Rocky was a busy fellow when he was on the farm, and his offspring are the backbone of the herd.

His genes added about 3000 pounds to the herd's annual average, Helman figures, and he left a legacy of very "typey" daughters.

The herd includes two excellent and 27 very good animals as determined by the Holstein breed association. Better than half the excellent and very good animals are Rocky's offspring.

A high percentage of two-year-olds keeps the Helman herd average at around 14,110 pounds per cow.

One of their principal crops, it seems, is good-looking, high producing young cows.

They don't sell all of their top animals, but they do pick a few of the best every time they send a load to the auction.

Last year they sold a first calf heifer — an Ivanhoe Star daughter — that earned an 85 classification the first time she was seen by the Holstein classifier.

Not a bad cow to keep in the herd, Helman pointed out, but they got a very good price for her.

"The milk money keeps the operation going, but the cow sales account for a big chunk of our profits," he said.

And who can argue with the logic of an operation that's providing a living for Helman and his wife, two married sons with families and a third son working full-time on the farm?

Even with that philosophy, Helman said they are seriously trying to build cow families with much stronger pedigrees. Increased

(Turn to Page A26)

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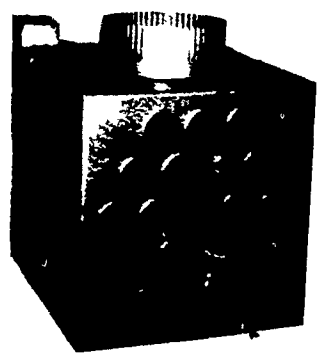

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The Helmans are building a name for quality cows. From left, Stanley, Robert, Raymond and Wayne

Typey Heifers

(Continued from Page A25)

production is one reason, of course, but good breeding, good papers and good type make a big difference in the sale ring.

And in the show ring, too. The Helmans have been going to the Farm Show in Harrisburg every year for the last five and have been providing some stiff competition for names that may be better known in the dairy business.

They've capped a first get of sire award, and a fistful of lesser awards for mostly younger stock.

Some of their buyers have fared even better. One cow, when the Helmans showed her, was an Honorable Mention All-Pennsylvania yearling. As a two-year-old out of somebody else's barn, she was the 1976 All-Pennsylvania Champion in her age group.

At the last Franklin County Farm Show, the Helman farm walked away with the premier breeder award, and for the last several years, a Helman calf has been the top seller at the county's 4-H calf sale.

With Rocky gone, the Helmans are relying more heavily on artificial breeding, and they don't mind paying the price to breed their better cows to top bulls.

They have one Ivanhoe Star daughter now in the milking herd, and a few heifers waiting in the wings.

And, yes, they've already sold a number of their Ivanhoe Star daughters.

If you hang around the dairy barn or the show ring next week at the Farm Show, you'll be able to get a good look at the Helman animals.

The Helman family will be there again, with seven of their finest. — D.W.

Believe It or Not

Believe it or not, it's been researched and documented that little girls tend to learn earlier than little boys how to tie their shoes post with a 16-year old cow which earned an Excellent rating.

When Raymond Helman shows at the 1980 Farm Show he'll be banking on a decade of breeding experience and some young cows with plenty of type.

Shorthorns imported to U.S.

OMAHA, Neb. — The American Shorthorn Association recently announced the arrival of five bulls and 46 females to the United States Quarantine Station. These animals are Irish Shorthorns which will bring new blood to the American lines first imported to this country in 1783.

In the past eight years, only 125 head of Shorthorns were imported into the U.S. Occasionally, an outstanding bull has been imported, but entire airplane loads of females is something unique in this area.

The Shorthorn program in Ireland is designed and supervised by the government. In what they term the Irish Scheme, they select the cattle with only large frames, heavy muscling and high productivity, developing a strong genetic base.

In a country of high rainfall and very little grain production, these Irish cattle survive and reach maturity on primarily roughage. Calves weigh about 700 pounds at weaning without the benefit of creeping, mature cows weigh around 1600 pounds and bulls reach a mature size of 2500 pounds.

The recent shipment of cattle from Ireland to the U.S. will be ready for delivery to their new owners this week. Don Cagwin of Cagwin Cattle Services, Inc in Virginia, Illinois, made the arrangements for this import.

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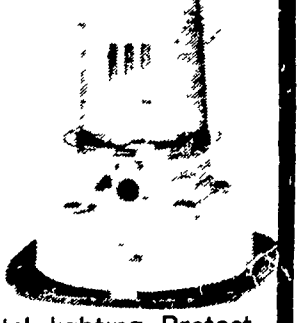

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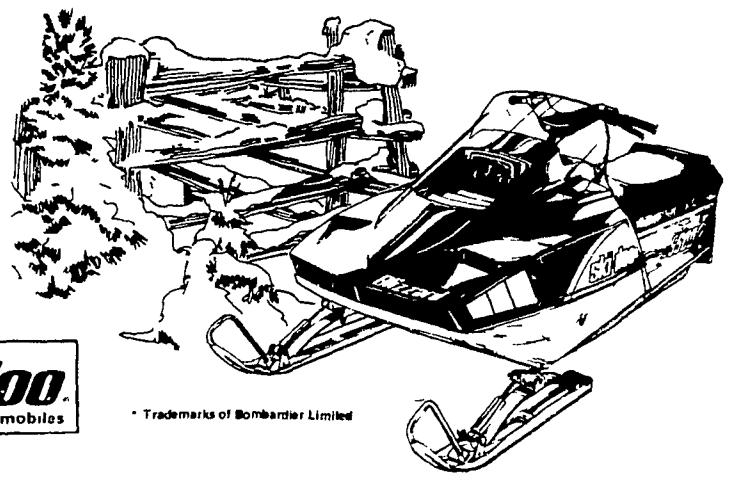

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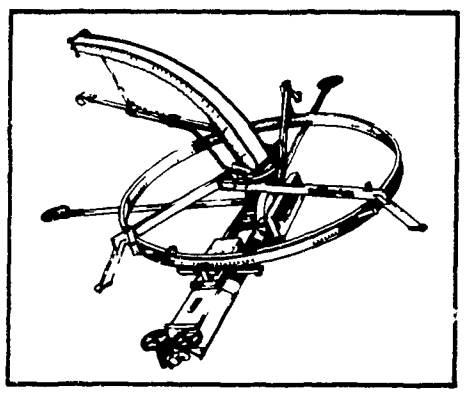

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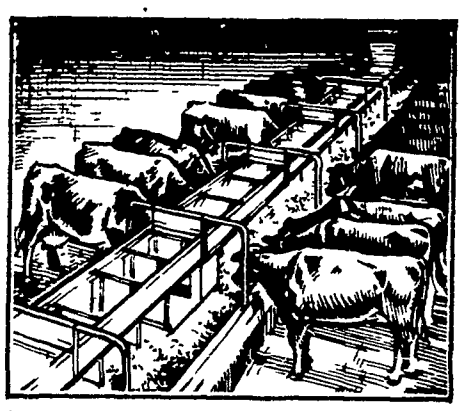

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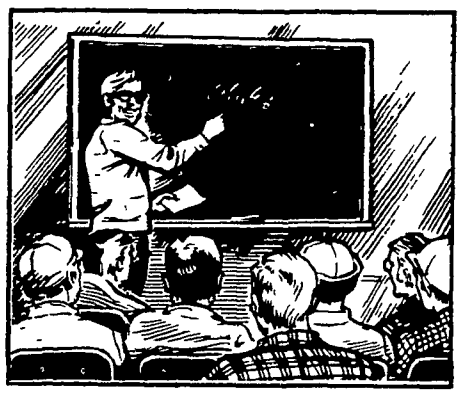

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Landmark decision rules against Labor

BY SHEILA MILLER

CAMP HILL — A recent court decision has set a precedent which means "U.S. Labor Department no longer can harass farmers because their crew leaders don't have every piece of paperwork that government interpretation thinks necessary," according to Jan Carson, Pa. Farmers' Association agricultural employer department.

She was referring to a ruling made in Pennsylvania by Federal District Court Judge, R. Dixon Herman on the Farm Labor Contractor's Registration Act.

Under FLCRA, a farmer cannot hire a migrant labor crew leader unless the crew leader has a federal certificate. This certification authorizes the leader to speak for the group of laborers, and shows the farmer that he will be conducting business within the law.

In 1977, the U.S. Department of Labor went one step further with the act through interpretation in a case against Gerald Edwards of Mountain Brook Orchards, Franklin County.

Edwards was fined $500 by the federal government for hiring a crew leader who did not have in his possession the housing authorization paperwork, even though he explained to the Department of Labor inspector that the application had been made.

The Labor Department said the crew leader was not registered because he lacked the housing papers, even though Edwards housing facilities had passed the tests of Pa. Department of Environmental Resources and Occupational Safety and Health Administration.

Therefore, Labor said Edwards was in violation of FLCRA.

Both Edwards and PFA felt that the Labor Department's interpretation was in excess of what Congress had intended when they passed the Act in 1963. After checking with an attorney, Edwards decided to appeal contending that the Act only made him responsible for the crew leader providing proof of certification.

The appeal was slow in coming. But a year and half after the request was made, an administrative law attorney, who happened to be an employee of the Labor Department, ruled against Edwards and up held the department's decision.

Carson pointed out that other issues were presented to the administrative judge, but he didn't look at anything. She said he just said they were wrong and ruled in favor of Labor.

The case was then appealed to Federal Court, where Judge Herman upset the Labor Department's apple cart and said their interpretation of the act was wrong. The decision was reversed in favor of Edwards.

"If Congress would have intended the 1963 Act to be interpreted the way the Department of Labor was reading it, the Act would have been changed under the 1974 amendment to include all authorization requirements," Carson stated.

Judge Herman's decision already has been heralded nationwide for its common sense. The impact it will have on other similar cases for migrant labor employers remains to be seen.

Aaron Stauffer, left, will continue as chairman of the District board with Amos Funk serving as vice-chairman and the county's representative to the

Lanc. District

(Continued from Page A15)

been extremely faithful in attending all the District functions. He was Lancaster County's first Commissioner who served as chairman."

James Huber, County Commissioner Elect who will be replacing Raymond Herr on the District board said, "I feel like I'm following God... his are big shoes to fill."

The District directors appointed two new associate directors during the meeting. Sam Wenger, from Manheim Central, was selected because of his work with water quality, and Dr. Robert Herr was chosen for his work with ground water studies. SM

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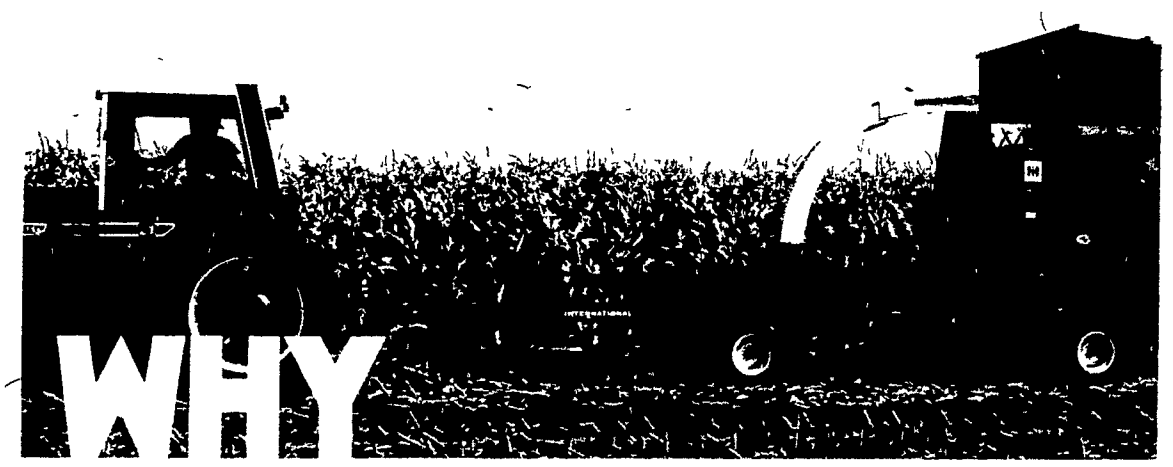
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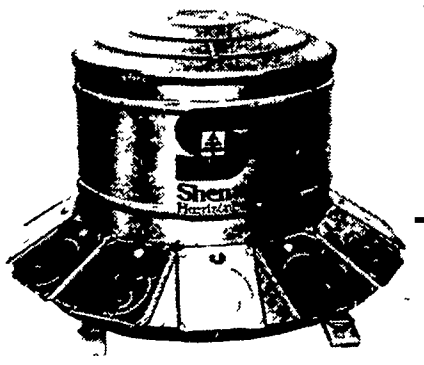

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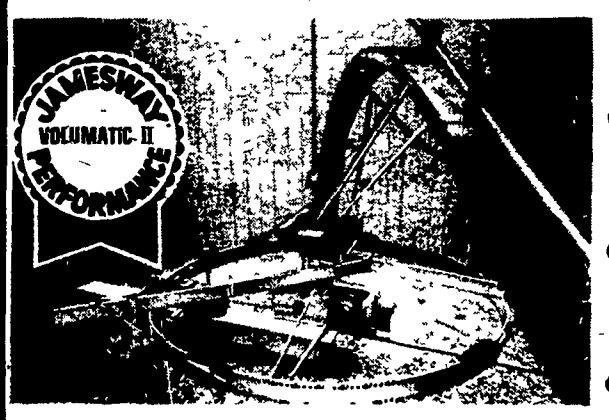

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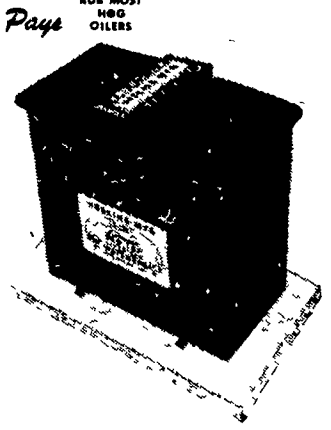

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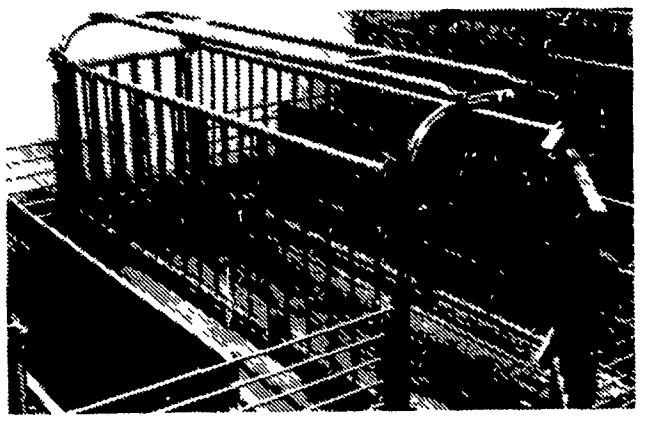

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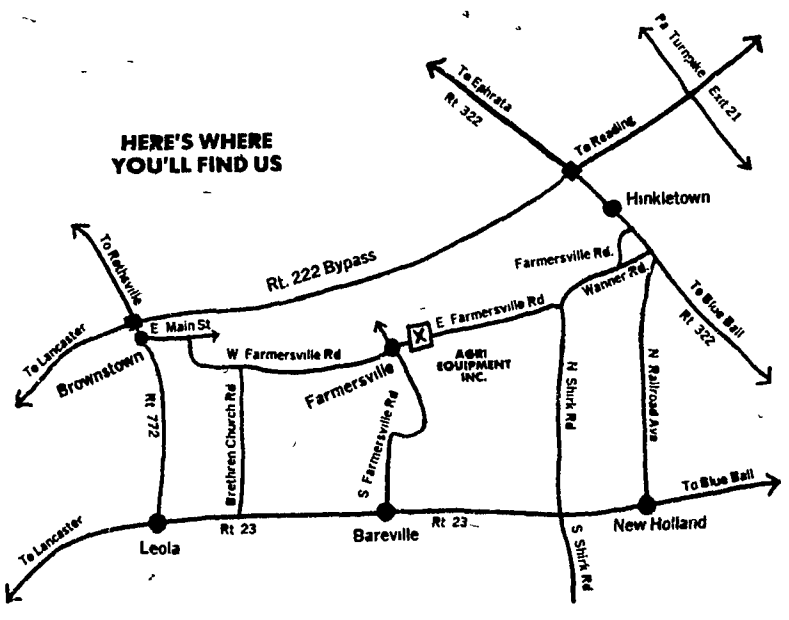

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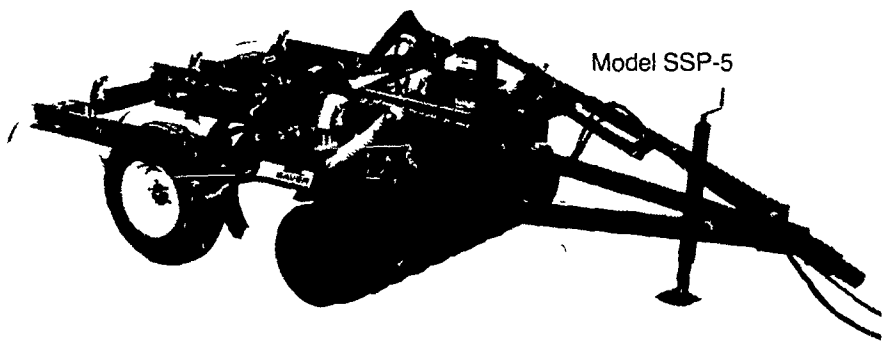

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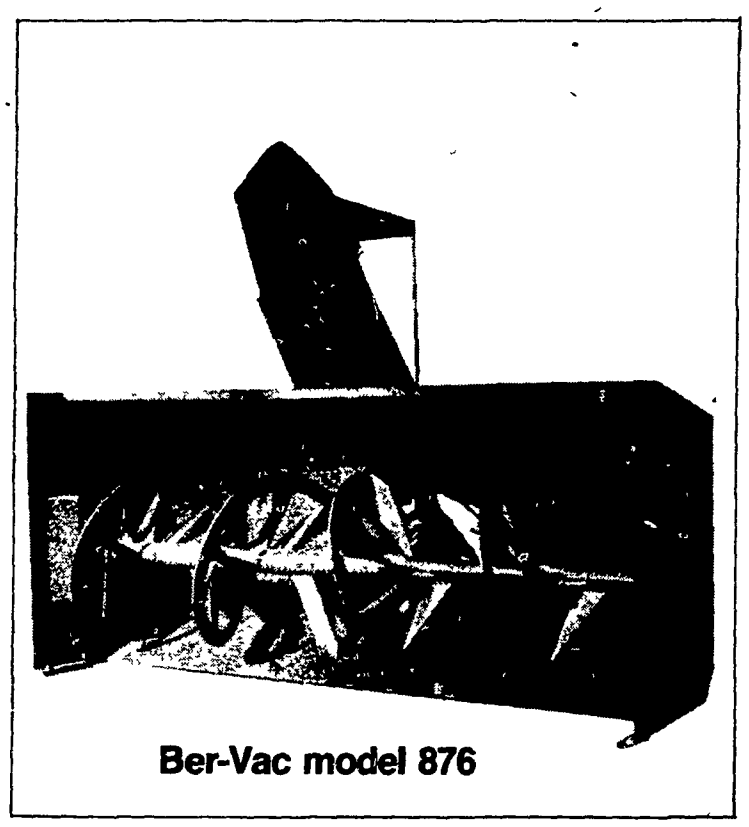
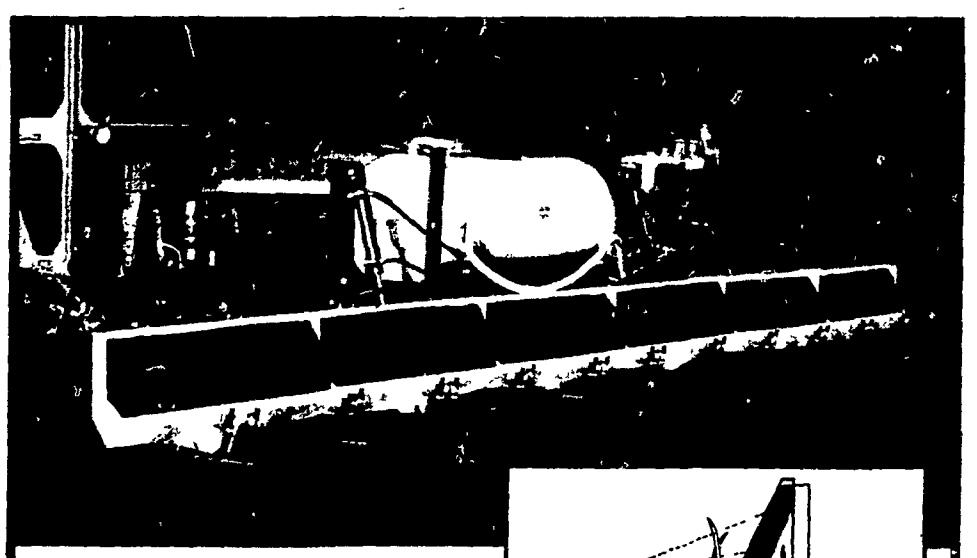
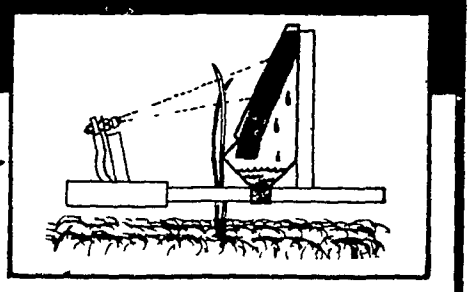


Ber-Vac model 876





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The Century Weed Eliminator is a smart solution to the problem of rising herbicide costs Put it on the warpath against problem weeds and grasses in your fields Talk to your Century Dealer today and start saving tomorrow

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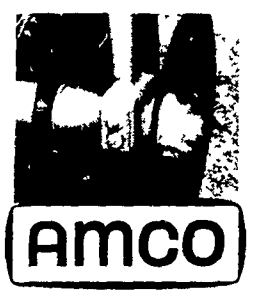

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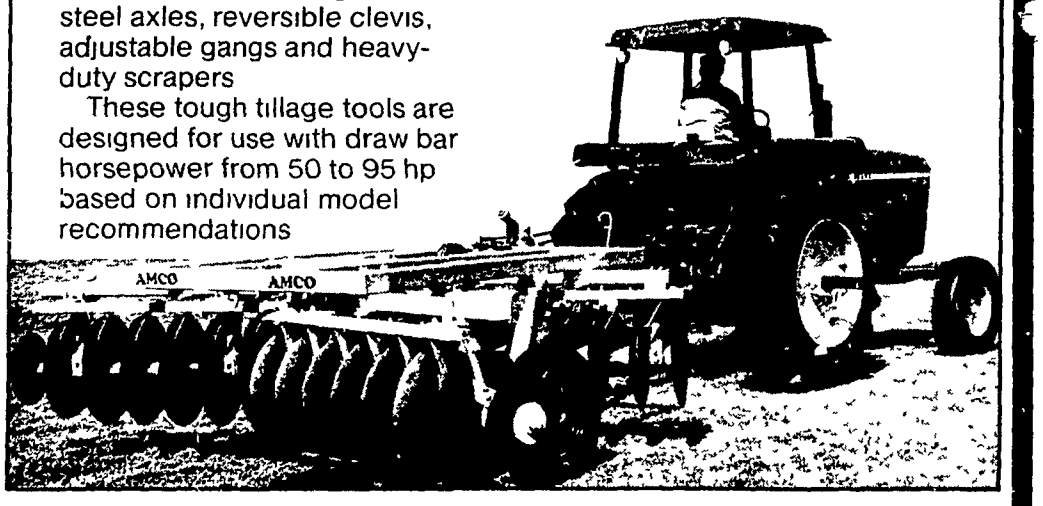

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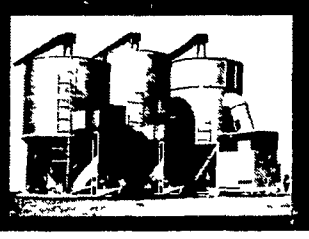

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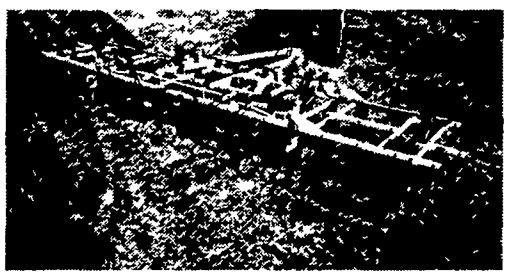
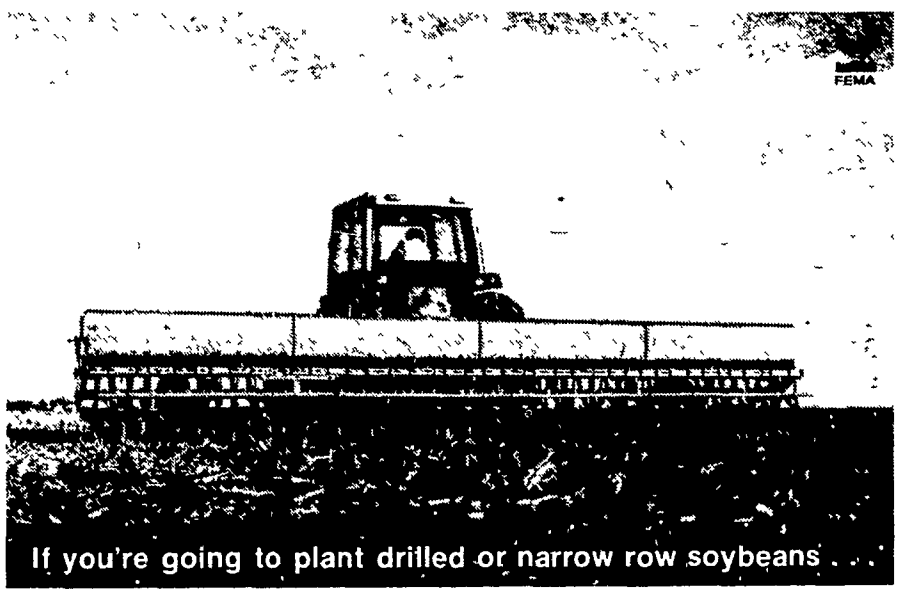
Landoll Field Cultivators



Landoll's latest innovation in *Soil Management is their* Field Cultivators They shatter the soil for maximum moisture intake and better preparation of seedbeds Pull type and mounted models in soil working widths from 10'6" to 22'2" — with exclusive "Converta Hitch" feature Wing models from 21' to 31'6" include oscillating tandem axles Wings fold 180° for ease of transport Wings flex up and down to follow contour of ground.



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Tye Total Control Drilling System: The heart of a Tye Soybean Drill is its internally fluted, adjustable seeder Seed is uniformly and gently dispensed without cracking or grinding Double disc openers deliver the seed in front of the disc bearing for uniform seed placement Adjustable spring pressure holds the double-disc openers at uniform planting depth In addition, Tye offers the widest selection of press wheels going, each attached to the individual double disc opener to help control planting depth and firm the seedbed Tye's track plow-out attachments reduce tractor tire compaction assuring more uniform planting and higher yields

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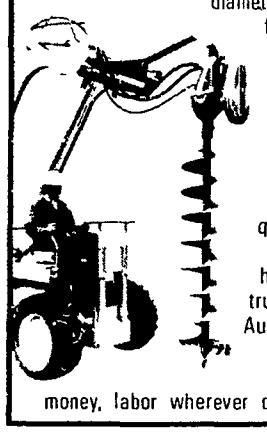

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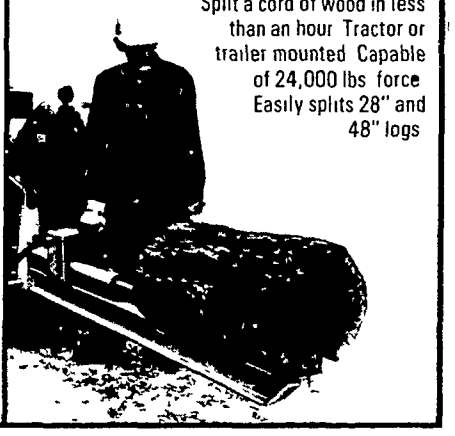

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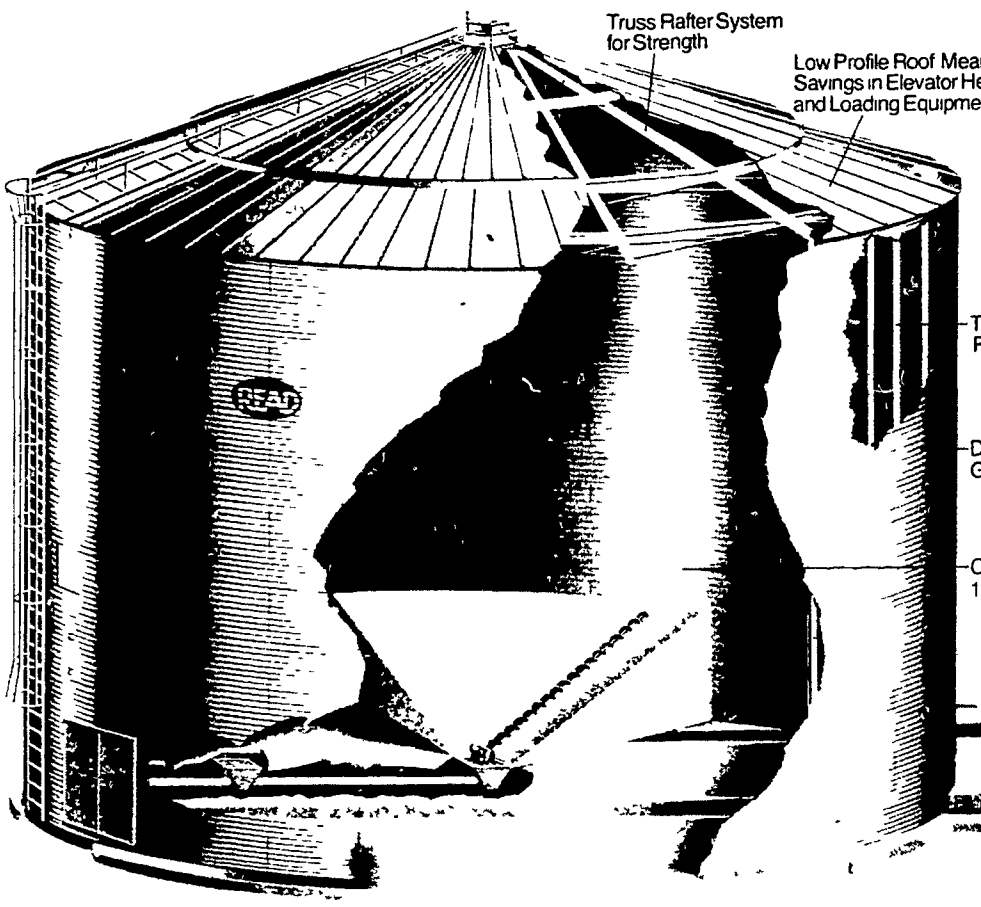
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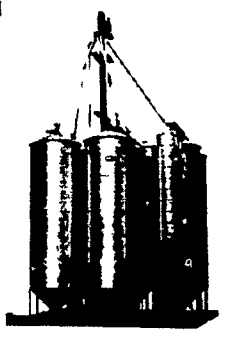

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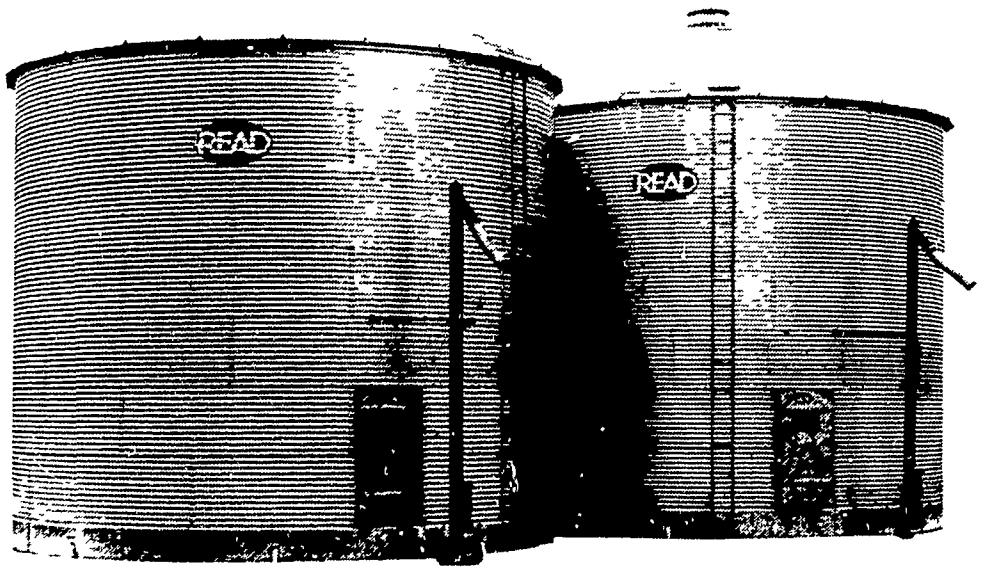

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Now Is The Time

(Continued from Page A10)

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TO USE FARM RECORDS

Good farm accounts are ery necessary in today's griculture. Not only do armers need them for tax eporting purposes but for uture farm planning. Now hat 1979 is history, it would e a good time to spend some hours evaluating the records trying to locate the leaks and the profitable enterprises. Time spent at your desk doing some "pencil pushing" is a vital part of good farm management. Good records provide the opportunity to compare the success of the various enterprises that make up the total farm business. Expansion, or elimination plans, can be made on the basis of past farm records. We urge farmers to utilize their records to the fullest.

Penn State offers swine procedures course

UNIVERSITY PARK — In swine production, as in any manufacturing enterprise, profits depend on the difference between cost of production and gross return received for the product.

Farmers have little control over the price they get for hogs, but they can do much to reduce production costs and thus increase profits.

"Commercial Swine Production and Marketing," a correspondence course available from Penn State, is a comprehensive guide for the commercial swine producer or farmer with a hog enterprise.

The 16-lesson course includes information on planning and financing the enterprise, buildings and equipment, improving the swine herd through breeding, feeding and nutrition, marketing live hogs, and all aspects of swine health.

Complete information is given on levels of performance of boars and gilts, reproductive problems, and swine ration formulas, etc. The course is available by sending $8.50 plus 1.00 postage to Swine, Box 5000, University Park, PA 16802. Make checks payable to Penn State.

TO TRANSFER SILAGE

Livestock and dairy producers who have had silage stored in temporary structures might be planning to move this feed into upright silos in the next month or so. Many producers use the temporary storage until some of the material is fed out of the upright silo. By transferring into the upright silo, mechanical feeders can be used. The objective is to move the silage during cold weather. The months of January and February should give this condition. When transferred during warm weather (above 50 degrees) there is danger of more heating of the silage. No preservative should be needed. The faster the material can be moved into the upright silo, the better it will settle and push out the air.

Safe slimming classes slated

MEDIA — If losing weight is one of your resolutions for the new year, the Delaware County Penn State Extension Service has a series of meetings that may be just right for you, says Greta C. Vairo, Extension Home Economist.

Each Friday morning beginning January 18, from 9 to 10 p.m. for 15 weeks, there will be a meeting to help you "Slim Safely." The series will be held in the Toal Building Auditorium, corner of 2nd & Orange Sts. Media, and are free to the public.

The slimming program is a combination of behavioral modifications and a sound easy-to-follow diet. Participants can expect to lose one to two pounds per week. Rapid weight losses are not safe and usually do not last. Since enrollment is limited, please apply only if you are strongly motivated. To enroll call the Extension Service at 891-2491. Give your name, address, phone number, and the program for which you are applying.

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Dissolves readily and calves love it
Compatible with antibiotics and sulfas
Always read and follow label directions carefully

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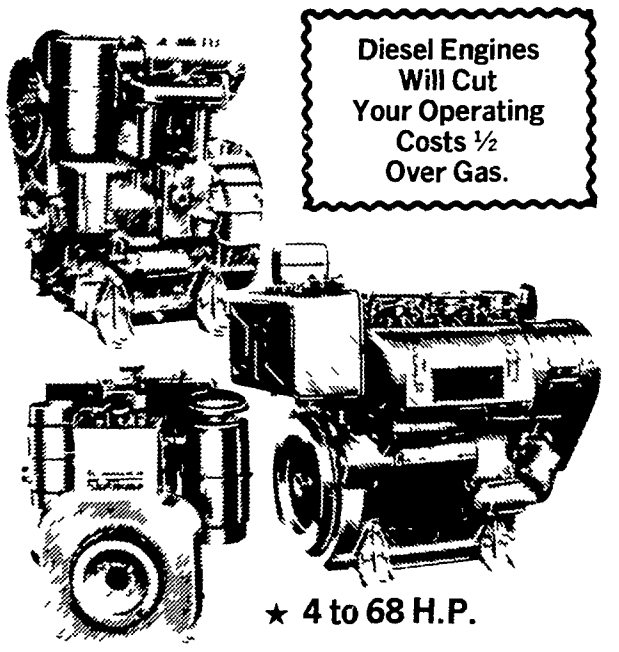

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FHA Chapters

(Continued from Page A1)

entered from the northwest area of the State," commented Kratz.

Since a great percentage of involvement came from this area, the majority of Lancaster County home economics teachers and FHA advisors have responded adversly to the situation.

In the past, Barbara Shenk, a Hempfield High School home economics teacher, encouraged her students to enter their clothing projects.

"Each year there is a less participation. Our girls are disappointed that they have to be judged in the open class with the adult seamstresses."

This year, a few girls are entering coats that were constructed during a tailoring course. "We only send the cream of the crop," she added.

According to Shenk, the home economics people at the State level did not want to handle the job.

As a result, Shenk no longer advises a FHA Chapter at the Hempfield High School.

"We have three home economics clubs instead. The students enjoy these three clubs. They may participate in the plant, needlework or braided rug clubs. Shenk was excited about the braided rug her students will enter at the Farm Show.

Jeannett Mamaprotteo, a FHA advisor in the Manheim Central High School, is disappointed her students can not compete with other high school students.

The items of clothing entered by Manheim students has really dropped.

According to Mary Garder, the Manheim sewing instructor, there will be no projects entered this year in the open division.

Basically, the classes offered in the open division are not tailored to the interests of today's high school students, noted Gardner.

Although the school exhibits are no longer a part of the Farm Show. The Department of Education has seeked to keep the FHA Chapters involved.

According to Kratz, the FHA Chapters may design a window exhibit or give homemaking demonstations.

The window exhibits and the vocational demonstrations are judged.

Kratz said, "these activites give FHA'ers a chance to develop in other ways."

The Warwick FHA Chapter is one county chapter that is busily creating a window exhibit.

According to Heidi Long, home economics teacher, the girls have put a lot of time into their exhibit.

The exhibit is titled, "Know Your Cookware." The students have included four different types of cookware and have described each type.

Long mentioned that a good handful of her students are involved in the FHA Chapter, meeting once a week during the school day

"We have quite a few younger girls in our Chapter. They are not quite as outgoing, although they are getting more involved."

Long will be taking a group of students to the FHA Winter meeting and the Farm Show on Wednesday.

The Warwick students are fortunate to have the opportunity to attend the FHA Winter Convention.

Many school districts discourage bus trips or the teacher's driving because of the transportation costs.

A few Manhiem Central students will be driving their own cars to the State FHA Convention.

Kathy Cassel, a Manheim student, is the State FHA Secretary. Naturally, her classmates hope to support her at the Winter meeting.

Gardner contributes the cost of transportation as a major reason for the lower attendance at the Winter meeting. The costs also contribute to the lack of FHA'ers involved in contruction window exhibits and giving demonstrations. It is difficult for FHA members in the western region to travel to Harrisburg for the State events.

A highlight of the Lancaster County FHA program is the origin of a new FHA Chapter.

In the past two months, a Donegal Chapter has been organized by Eleanor Ruhl.

"We had a Chapter a few years ago, but it phased out. I wanted to reorganize the Chapter last year, in my first year of full-time teaching but I was too busy. This year we are organized."

Ruhl is appreciative of the assistance she received from Glendean Davis, State FHA coordinator.

Next year, Ruhl hopes that the Donegal Chapter will be involved in the State programs. For this year, Ruhl would like to take her FHA members to the Winter meeting.

Hopefully, a state meeting will enable the students to better understand the FHA program and its opportunities.

These students may even understand the programs which have been limited by the state department and the non existent opportunity for students to compete with other students across the state.

"We have provided what the State Department of Education can afford. Maybe someday we will get out of the Farm Show altogether," concluded Carolyn Kratz.

If this becomes a reality, it is unlikely that FHA members will bother to attend a Winter convention. Nor will they involve themselves in state projects.

Local couple to represent Region 1 Young Cooperators

PARADISE — For the first time, a young dairy couple representing Inter-State Milk Producers' Cooperative was elected to lead Region I Young Cooperators of the nation.

At The National Milk Producers Federation 1979 Annual Meeting in New Orleans, La., the official delegation representing dairy cooperatives from Maine to California, nominated and elected officers for the coming year.

Donald L. and Virginia Ranck, R1, Paradise, Pa., operate a 124-acres dairy farm in Lancaster County. The Rancks are members of Inter-State's district 12.

NMPF's newly elected Region I Vice President has a B.S. degree in agricultural education from Penn State. Virginia is a licensed practical nurse. The Rancks have three children.

Their dairy herd includes 50 registered Holstein-Friesian milk cows and 61 head of young stock. Their rolling herd milk production average is 17,355 pounds.

On Verdant View Farm, the Rancks average 66 acres of corn, 33 acres of alfalfa, 18 acres of barley and 6.5 acres of tobacco.

The Rancks are active members of Bethel Mennonite Church, Lancaster, and have both been involved with the activities of the Mennonite Central Committee.

The young farm couple served as administrators for the MCC program from 1972-75 in Brazil and some 15 to 30 persons were under their supervision.

They have also served as region leaders with the PAFC. They are active in community activities and area farm organizations.

Shorthorn bull moves to Argentina

OMAHA, Neb. — Willow Crest Shorthorns, Larry and Karen Reap of Polo, Illinois, recently announced the sale of two ⅓ interests in a Polled Shorthorn bull. One sale went to an Argentina firm and the other to George Woods & Sons, Woodland Farm, Frankfort, Indiana.

Jose' Orotquieta y Hnos, Buenos Aires, purchased a ⅓ interest and possession of Willow Crest Affirmed x. Woods & Sons purchased a ⅓ semen interest in the animal.

The total mid-five-figure selling price placed a value on the bull that ranked him among the highest selling within the breed in recent years. Semen from the bull will be available on a limited basis in the United States only. The bull will be shipped to Argentina in early 1980.

The senior bull calf sired by Willow Crest Hercules x, was the Bull Calf Champion at the 1979 National Shorthorn Show.

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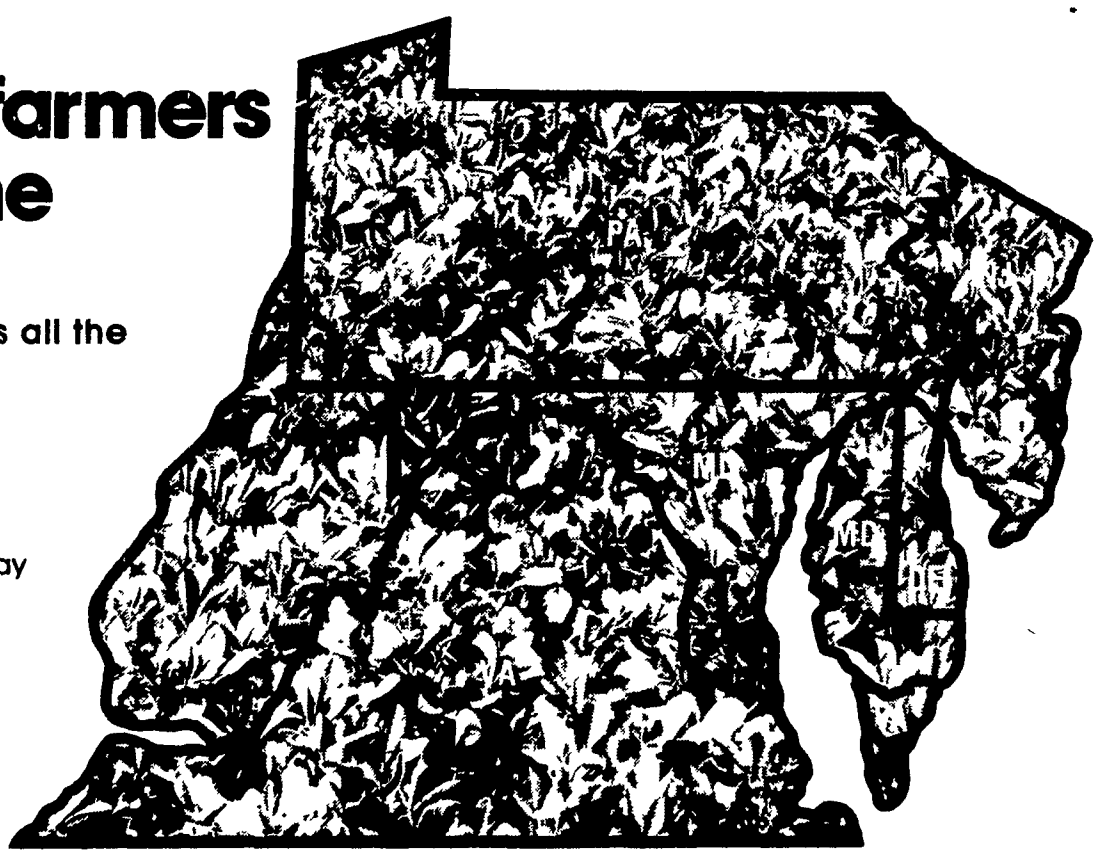

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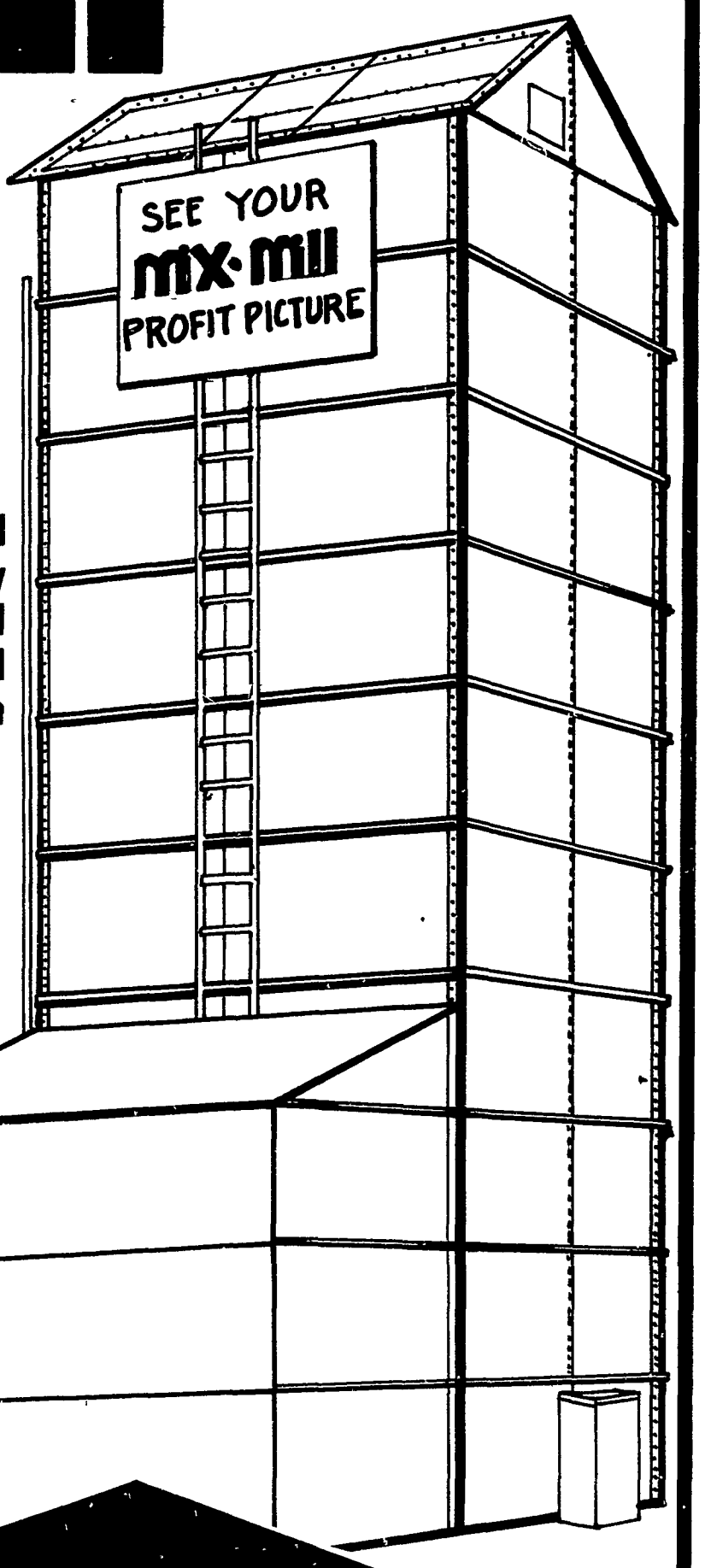

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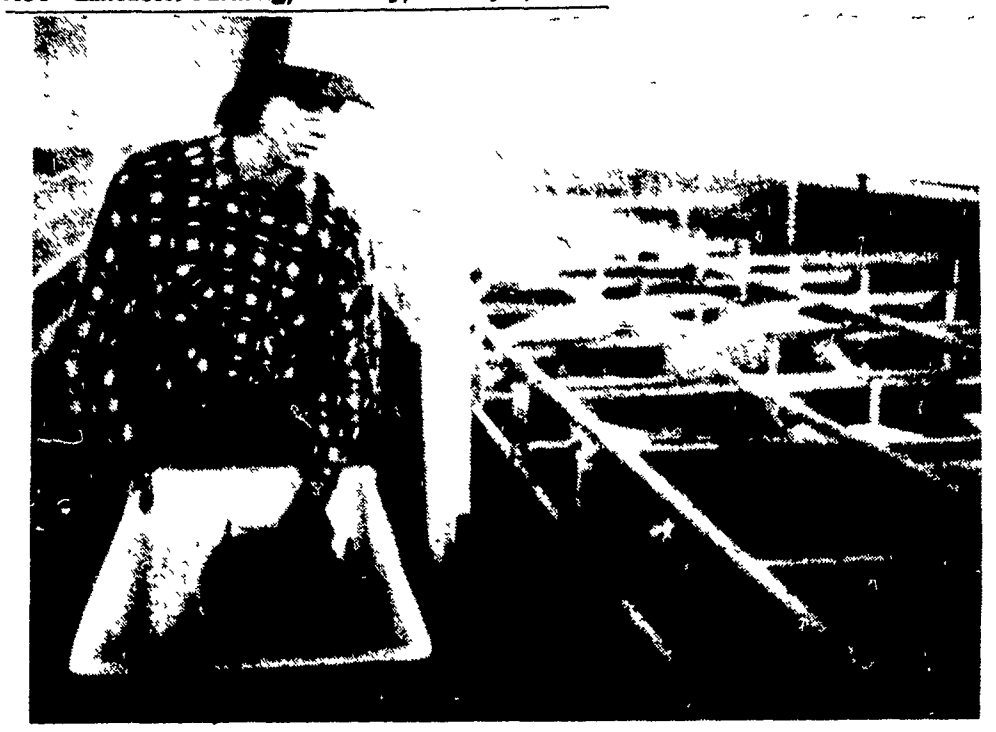

Gordon Long is one of four sons of Mr. and Mrs. Howard Long, R3 Columbia, all of whom have won Keystone Farmer degrees. Gordon graduates in June from Penn Manor High School, and has already entered into a partnership arrangement with is father on a 120-sow farrow to finish hog operation.

Keystone sons

(Continued from Page A24)

while Mrs. Long works at John Herr's Village Market. Mr. Long left farming full-time seven years ago, he said, to give his sons a chance to run the farm.

Glenn was the first brother to graduate from Penn Manor and earned his Keystone Degree in 1974. He helps at the farm, and works full-time for Pennfield Corporation at the Hempfield Industrial Park mill, just four doors away from his father's place of work.

Gary, a 1975 graduate, was working in ag mechanics for Cope and Weaver before leaving for Volunteer Service in North Carolina.

Galen, who earned his Keystone Degree in 1977, has been helping at the farm and is looking at off-farm work opportunities in agribusiness.

Gordon plans to stay on the farm, and has ambitious plans for a farrow-to-finish hog operation. Working as a father-son partnership, Gordon and his father had erected in August pre-fab confinement housing for 120 sows.

Those sows have just begun to farrow, and there are now close to 300 hogs being readied for market.

The Farmstead Industries buildings came to the farm in sections which were bolted together over a liquid manure pit. The hogs live on plastic slats over the pit, which will have to be emptied about twice a year. Using a newly-purchased liquid tank with a coulter attachment, Gordon hopes to knife the manure directly into the ground, rather than spreading it.

He'd like to maintain purebred breeding stock in Hampshires, Durocs, and Spotted Swine, and possibly Yorkshires and Chester Whites, as well.

Although he expects to sell some of his animals for breeding stock, Gordon expects to fatten most of the 2800 pigs born on the farm each year. Most of the hogs will spend their lives under a roof, but Gordon said he may establish dirt lots for the breeding stock.

Adams Electric co-op offers energy program

GETTYSBURG — Adams Electric Cooperative has recently purchased a display computer known as an Energy Cost and Conservation Simulator. The cooperative plans to use this teaching tool to increase energy use awareness and stimulate energy conservation by the members of the cooperative and the general public.

Adams Electric's General Manager Charles L. Overman summarized, "Our new simulator will help fill the need for adequate distribution of useful energy technology to the public. Greater understanding is vital to achieve meaningful conservation and support for energy programs. We hope we receive many requests for this new program."

The simulator will illustrate the energy situation as it currently exists for the individual farm owner.

In addition, it allows the participants to compare the alternative actions they can take and view the results. Adding more insulation to buildings will immediately show results in energy savings and costs.

Other areas of energy use such as heating, gasoline, lighting, etc., are also programmed into the simulator to show results in similar fashion.

The simulator will show energy use changes such as growth, time elapse and energy resources depletion.

This public service program is available to anyone throughout the cooperative's service area and beyond. Anyone interested in scheduling this program is invited to contact Gil Evans, director of Energy Use Services at (717) 334-9211 or the nearest office of Adams Electric Cooperative for further information.

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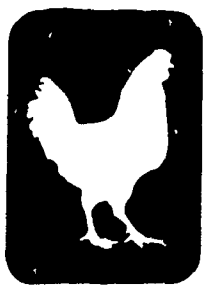

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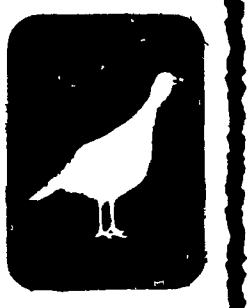

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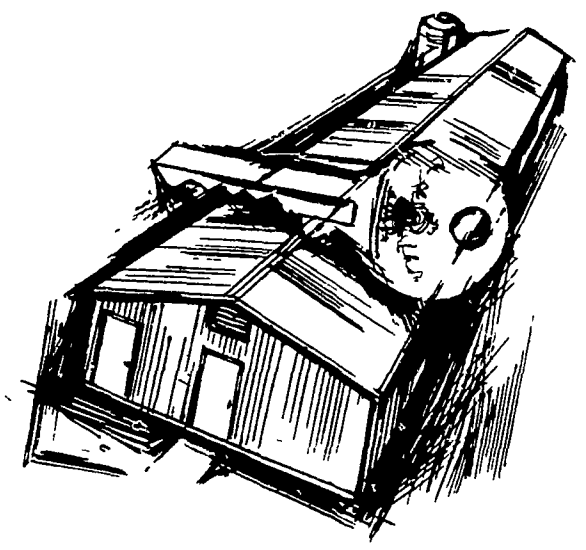

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Farm Show opens

(Continued from Page A1)

The Farm Show cut out all non-agricultural products from the Show. Some, like the encyclopedia people, had been at the Show for over 20 years.

Coffman said he earlier had feared some of the exhibitors who had indoor space for the first time at the 1979 Farm Show were going to lose their space.

But by finding space off the main exhibit floor and through cancellations, all were able to find indoor spaces.

Coffman said the Farm Show is a tremendous logistical undertaking. And at past Shows some problems have been more acute than at others.

Water, for example, often is taken for granted. But last year when the dairy barn's water supply dried up in the middle of the Show, it became obvious something had to be done.

Coffman said Farm Show plans a $265,000 to $275,000 renovation of the building's water supply lines.

Plans were drawn up in May and the blueprints recently were completed.

At present, Coffman said, the financial appropriation for the project is winding its way through the legislature.

He said he hoped the funds would be approved so work could start this coming spring.

"It will be a major undertaking," Coffman said. "We plan to tear out the old lines and start new construction of lines where there never were water lines before."

He said the lines would be put overhead for the most part instead of below ground as the old lines were. That will afford easier access in case repairs need to be made.

For this year's Show he said he could only hope there would be no water supply problems.

Also on the horizon is a plan to expand the existing Complex by 60,000 to 75,000 square feet. Coffman said plans call for a building to be added to the Northwestern corner of the existing buildings.

This would be somewhere immediately near the new beef cattle barn.

Because of the location of the boiler room there is some question over exactly where the building's addition will attach to the existing buildings.

Monday night's program will feature for the first time the naming of the Outstanding Pennsylvania Farm Family.

The Monday program will be part of Secretary of Agriculture's Night in the large arena. State Agriculture Secretary Penrose Hallowell will present the farm family award at that time.

The Future Farmers of America will honor 330 young men and women with the Keystone Farmer Degree, the highest state award for FFA.

Tuesday will mark the Pennsylvania Auctioneers Contest in the small arena. Anyone intrigued by the auctioneers' chant will find an earful of calls at the 4 p.m. event.

Also on Tuesday evening, the state Folk Dance Festival and Contest will be held in the large arena. This colorful event begins at 7:30 p.m.

Wednesday evening's highlight is the horse pulling contest which gets underway at 4:30.

It will be followed by the 4-H horse and pony demonstration and pull on Thursday night starting at 6 p.m.

Wednesday will feature the first ever sheep-to-shawl contest with wool growers demonstrating their crafts from shearing to sewing.

Traditional highlight of the Show is the Thursday afternoon judging of the Junior Beef Grand Champion.

The award brings instant riches to some young cattleman who will see the steer auctioned Friday morning for a price expected to break the $6 a pound mark again this year.

Youth and vocational exhibits will line the concourse around the large arena.

Farm Show week is a traditional meeting time for various farm organizations and commodity groups. Many organization dinners are scheduled for the Penn Harris Motor Inn, on the West side of the Susquehanna River along Routes 11-15 in Camp Hill.

The Show also will feature a wide range of farm activities and products from Master Corn Growers Association to the Nut Producers, from the Rural Electric Association to the Society of Farm Womens' Convention.

Dairy, potato, swine and Christmas tree farmers all will have their annual meetings during Show week.

Farm Show is the largest free indoor agricultural exhibition in the nation. Only charges to anticipate are a $1 parking fee and a few dollars pocket money to spend on a baked potato and locally produced goodies at other farm commodity booths.

It's a show all farm families should plan to attend and enjoy.

Solar collector can dry crops

UNIVERSITY PARK — Heat from bare and covered plate solar energy collectors is being applied to agricultural crop drying and has potential as an energy alternative.

"Solar energy is well suited to the low temperature method of grain drying because this method utilizes small air temperature rises over extended periods of time," says Gene C. Shove, professor of agricultural engineering at the University of Illinois.

Shove, a speaker at the recent Forage, Corn and Seed Conference held at Penn State, pointed out that small air temperature rises allow solar collectors to function with minimum temperature differentials, which allow the collectors to operate efficiently.

He emphasized that farm buildings have large areas available for the placement of flat plate solar collectors. They can be incoporated into the surfaces with little or not change in the design and construction of the buildings.

He noted that as multiple uses are developed, flat plate solar collectors will become a viable energy resource for many agricultural production processes.

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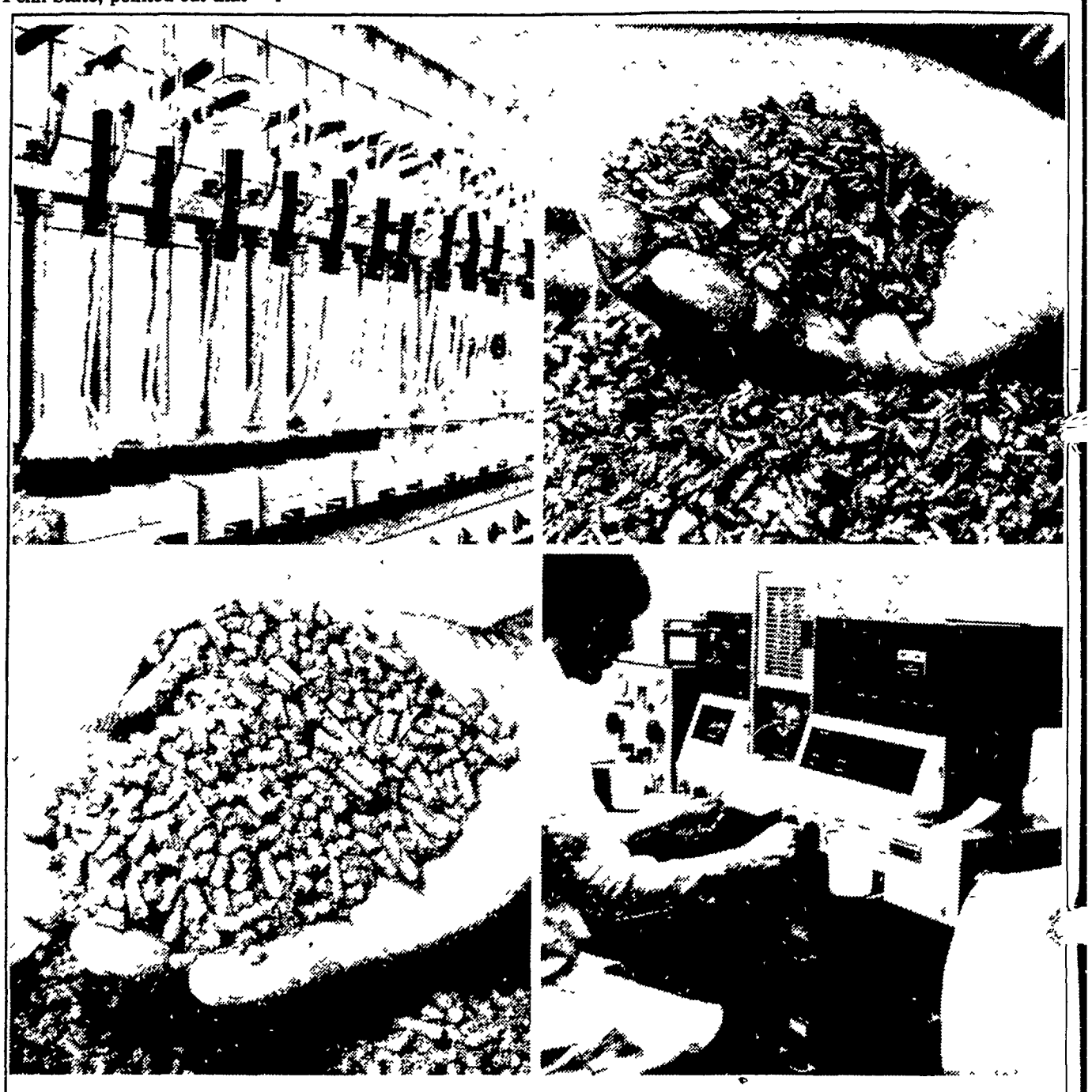

COMPLETE DISPERSAL

TUESDAY, JANUARY 8

1:00 P.M.
Airydowns Farm,
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12 strictly fresh, 6 milking and bred back, 7 springing first calf very close, 20 first calf due in Feb. 12, recently bred for Aug. or Sept., 9 ready to breed or just bred, 8 yearlings, 4 started calves, 7 small calves.

Also 7 started bulls, approx. 5-7 mo. All registered from classified DHIA dams and nearly all sired by top sires, very fancy young cattle.

Mr. Wilcox is retiring after 30 yrs. All calfhood vaccinated, vaccinated for shipping fever. Pregnancy examined. Catalogs.

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Broiler growers

(Continued from Page A1)

to Maple Lodge for only the past few years.

Practically all of the growers are independent producers, and the Canadian buyer had been a good market for a number of poultrymen who might otherwise have had a difficult time of placing their birds.

"We're still selling to Maple Lodge," Day said, "and they're fairly confident they'll be able to continue buying. But they can't give us any guarantees, and we are looking for other markets.

"We've been able to find some buyers in New Jersey and in Pennsylvania, but we're taking a beating in the price because we have to sell," he added.

The Montgomery-Bucks plight seems to begin and end with a Canada-wide monoply by chicken producers.

Producers in Canada have been holding tightly onto the reins of their industry for a number of years through provincial organizations like the Ontario Chicken Producers Marketing Board.

All but two of the Canadian provinces have such boards, and they control pricing and output.

On October 21, the provincial boards coalesced into a nationwide organization. The national group apparently has a lot more muscle than the separate boards had.

Before the national board came into being, independent processors like Maple Lodge could get supplemental quotas allowing them to import chickens from the United States whenever Canadian product wasn't available, Day said.

The government-backed boards, both at the provincial and national levels, have imposed much more stringent quotas, Day noted, in a bid to raise prices.

Maple Lodge doesn't care if it pays 40-cents a pound for Canadian chicken or 28-cents a pound for U.S. chicken.

"When you figure out the hauling cost and the dollar differential — a Canadian dollar is now worth about 85-cents U.S. — we're paying about the same either way for product," he said.

"We just can't get product," he added.

Day said the situation is difficult, even unbelievable.

"I can't understand why our government would sanction a very restrictive import quota without giving the industry some period of adjustment," he said. "And I can't understand why the U.S. government would just stand by and watch it happen."

Day said in the light of the fact Canadian birds weren't available, the denial of supplemental import quotas by the marketing board may be of questionable legality.

"We're going to be looking very closely at the legal implications," he said.

Day couldn't forecast any changes either way in the next few months.

"We have developed good relationships with our suppliers in the U.S. We're just caught in the middle right now, and we're going to do everything we can to keep our good relationships with those suppliers."

Don't Refrigerate

Don't refrigerate potatoes Below 40 degrees F., potatoes will develop a sweet taste, the result of an accumulation of sugars in the tubers. This increased sugar will cause the potato to darken when cooked.

CATTLE DISPERSAL

Jack Wood's
Special January Sale
FRIDAY, JANUARY 11
11:30 A.M.

At the Jack Wood Farm, Taylor Valley Rd., 3 miles north of Cincinnatus, NY, off Rt. 26. Watch for auction arrows.

80 REGISTERED & GRADE CATTLE 80

Early entries include the following Registered Holsteins:

1. Pair 2 yr. olds due in January to a son of Harrisburg Gay Ideal. Dam of one of these heifers made 16,000M 3.7M as a 2 yr. old, 305d.
2. 5 yr. old Bold C, bred to King Arthur and due January 12, 1980. A 4 yr. old Pat due to Greenbanks Adventure on January 9. A 4 yr. old Davis daughter due to Bold C January 29, 1980. A 4 yr. old Robbie due to Elate January 21, 1980. These cows all have good DHIA records which will be available sale day.
3. A big strong 3 yr. old Willow daughter due in March.
4. A 3 yr. old Citation R Granddaughter due January 24, 1980 to Bun-Yard Moneymaker.
5. Daughter of Wenron 55 Rockman, just 3 yr. old, due shortly to Paragon Bootmaker.
6. A nice pair of heifers bred about 3 mo., 1 by Stephron & 1 by Bold C.
7. Typy Collins Crest Majesty recently fresh.

In addition, there will be a select group of grade bred heifers as well as fresh and springing cows. All cattle TB & Brucellosis tested, vaccinated with nasalgen & pregnancy examined.

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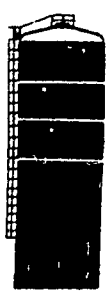

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At Farm Show's Junior Swine Show

Trostle competes to uphold champion reign

BY JOYCE BUPP
Staff Correspondent

RED LION — When the junior market swine show gets underway in the small arena of the Farm Show Thursday morning, it's a good bet that York County 4-H'er Steve Trostle will be parading one of his purebred Spots before the judge's critical eye.

After all, Trostle has a reputation to uphold. Last year, he wrapped up his Farm Show participation by winning the title of champion junior swine showman. His Spotted gilt entry won the reserve champion award in the light heavyweight category and then brought 70 cents per pound on the sale's auction block.

But Farm Show swine competition is not something an exhibitor enters on a spur-of-the-moment whim. It takes months of planning. First, according to Trostle, a couple of sows must be bred at just the right time, allowing for the 115 days of gestation time and a calculated guesstimate at how long it will take to feed the litter to ideal show size.

"In my opinion the ideal market show weight is 225 pounds," figures the husky, dark-haired 4-H'er. "It takes about six months to get hogs to that gain level.

Trostle emphasizes that it's harder to be a consistent show winner with market hogs than with breeding animals.

"Showing a market hog is a one-time thing," he says, "because the animal is then usually sold right at the show. Only where two shows fall close together is it possible to exhibit a winning hog more than once before it grows too heavy."

Breeding and raising hogs is a family involvement for the Trostle family of R2 Red Lion, where they help Steve maintain a breeding herd of up to 15 of the purebred Spotted sows. Steve's dad, Ron, is a herdsman for the Lanius dairying operation and a recognized judge in both swine and dairy. Mother Yvonne grew up on a farm that raised hogs and remains involved assisting at the county's swine meetings and shows, while younger sister Melissa also raises 4-H hog project animals.

"Hogs are very intelligent and can be trained to do all sorts of things," Trostle notes. "And contrary to popular belief, they will never overeat, only consume what their body requires; and they won't eat just anything, either."

"Also, they're the only animal besides man that will drink enough alcohol to become intoxicated," he grins, adding this dubious bit of hog lore.

But, according to Trostle, feeding champion hogs is no big secret, just using "common sense", as he puts it.

"We feed a premixed concentrate, and then finish them out with oats and a high-protein feed," he adds.

An avid 4-H'er who took on thirteen projects during his second year in the program, Trostle has since screened his interests down to a few major categories. One of the favorites besides hogs is rabbitry.

The second floor of a small barn houses Trostle's expanding families of American Checkered rabbits. The animals are impressively large and hand some, white with either gra or black side, back and fac markings. A special prid and joy is the doe tha weighs 15 pounds and wo top honors at the York Fai recently.

That winning wa especially heartwarming fo

(Turn to Page B3)

One of Trostle's newer livestock activities is the breeding of pedigreed American Checkered rabbits.

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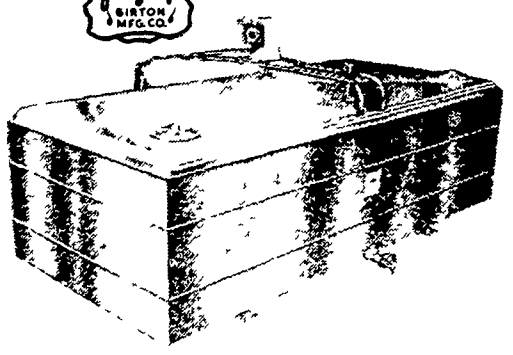

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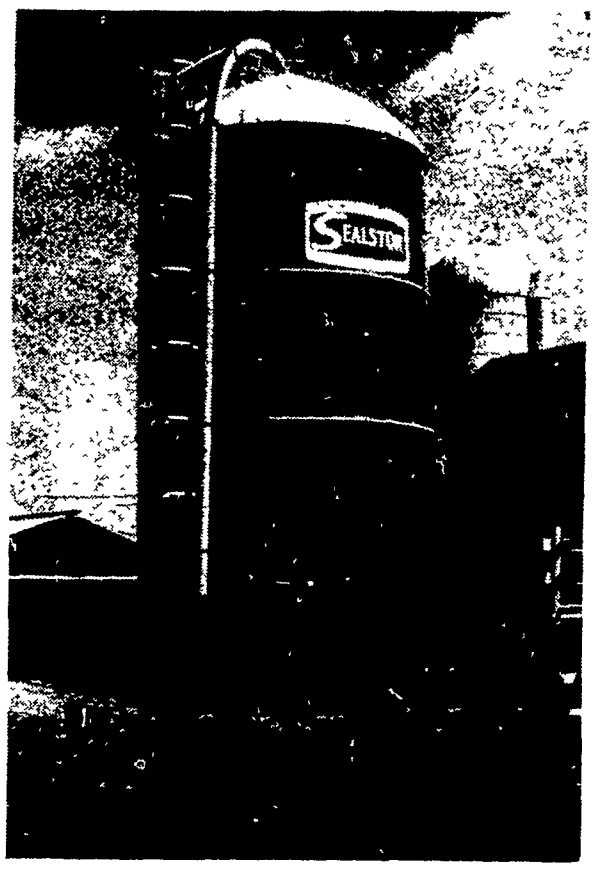

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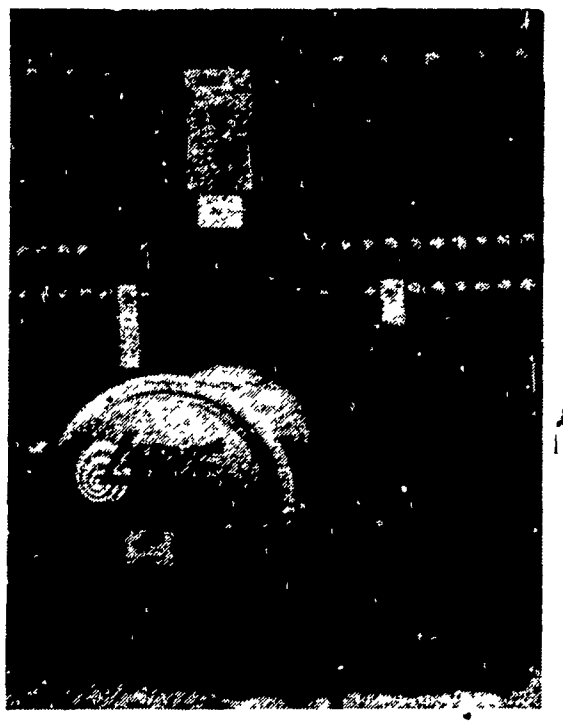

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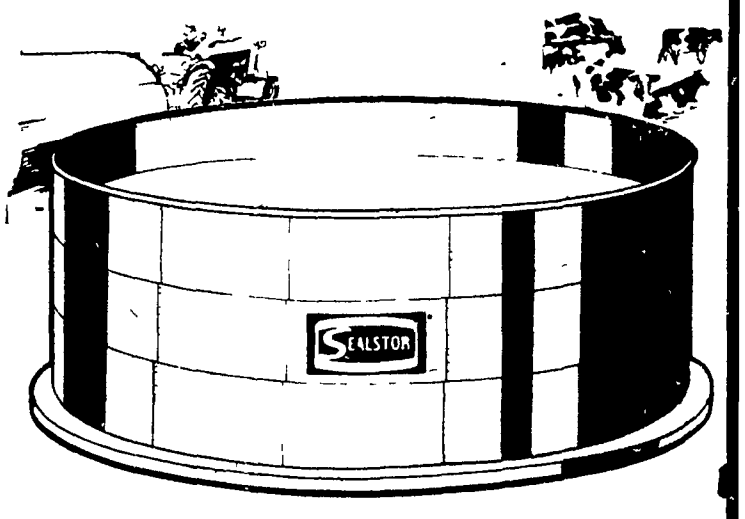

PENN-DUTCH FARM SYSTEMS WELCOMES FRIENDS AND CUSTOMERS TO THE 1980 PA. FARM SHOW!

Involved 4-H livestock exhibitor and high school athlete Steve Trostle has amassed a bureau-full of trophies over the past few years. One of his many honors was being named the 1979 Farm Show's champion junior market swine showman.

Trostle

(Continued from Page B2)

Trostle, since the doe had been disqualified the year before for a condition labeled "screwtail," in which the tail lists slightly to the side, rather than being held erect with the tip pointing skyward.

"Same rabbit - same tail - different judge," quips Trostle, whose sense of humor is well-known among his friends and acquaintances.

Any conservation with the likeable 16-year-old (he'll turn 17 the week after Farm Show) soon touches on another of his favorite subjects: sports.

A senior at Dallastown Area High School, Steve is a three-year letterman guard and linebacker on football team and was honorary defensive captain the past season. Both York area daily newspapers named him to honorable mention spots on their county team selections.

Then, the day after football season is over, out comes the basketball, followed seasonally by a baseball. Squeezed in between Spring ball training is varsity track, with Steve having placed well in both county and district competition in the discus and shotput events.

To keep in shape for all these athletic activities, there's a weighlifting session nightly, in addition, of course, to lugging around bags of hog and rabbit feed.

And, Summers he stays in shape doing field work and hefting lots of hay bales on the Lanius farm.

With the end of his high school career in sight, Steve's turned his thoughts toward college, and is eyeing a major in animal reproduction or genetics, probably somewhere like Penn State. Maybe, somewhere in the future he hopes, there might be a place for him to settle into research work in the embyro transplant field.

But for now, it's Farm Show week and everything but swine showing crawls to halt at the Trostle home. And York County 4-H'er Steve Trostle will summon all his athletic muscle, skill and strength to intercept the coveted purple ribbon for a very select and carefully nurtured Spotted pig.

Brief answers to short questions

Sheila's Shorts

By Sheila Miller

Many cattlemen have been asking "Where can I get more information on the beef referendum so that I can make up my own mind about the legislation?"

To help out, I tracked down that the notice and order of the referendum was published in the December 14, 1979 issue of the Federal Register.

For those people who want their own copy, the Federal Register can be ordered from the Livestock, Poultry, Grain and Seed Division, AMS, Room 2610-S, U.S. Department of Agriculture, Washington, D.C. 20250.

The referendum will be voted on in February by cattlemen throughout the state who register with the Agricultural Stabilization and Conservation Service office in their county.

Rules of the referendum can be gotten from the local ASCS offices or by writing the Emergency and Indemnity Programs Division, ASCS, Room 4095-S, U.S. Department of Agriculture, Washington, D.C.

A quick rundown on the rules, for those of you who are in a hurry:

Only eligible beef producers will be allowed to vote. That means any person, group, association, cooperative, corporation, partnership, or any one else who owned one or more head of cattle from January 1 to December 31, 1979.

One small catch, the cattle could not have been owned solely for the purpose of slaughtering!

Eligible producers will be allowed to cast only one ballot. If your group or corporation is made up of fifty people, you will get one vote if you registered as a single producer.

The time for registering is from January 28 to February 6. Voting will begin after the Federal holidays and will run from February 19, a Tuesday, until Friday, February 22.

You will be allowed to vote either in person or by a mailed ballot. But, if you decide to vote by mail, the envelope must be postmarked before midnight February 22.

Northeastern 4-H Club meets

MT. WOLF — The Northeastern Community 4-H Club held its December meeting at the home of Lisa and Lori Gross, club members.

Club members are encouraged to think of 1980 project ideas. Club officers will plan the Spring and Summer meetings and programs.

The program for the evening included a scavenger hunt and homemade ice cream.

The January meeting will be a covered dish supper and talent show.

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Lebanon Livestock Club 4-H'ers thank area buyers

LEBANON — Members of the Lebanon County Livestock 4-H Club wish to thank the buyers that supported their recent beef and swine roundup and sale.

The Lebanon Valley National Bank purchased the champion steer exhibited by Thomas Arnold. Agway's Lebanon store purchased the reserve champion steer shown by Paul Miller.

In addition to the reserve champion, The Agway Store purchased Elaine Houser's steer.

The champion buddy steer, shown by George Wilson, was purchased by the Stonebridge Butcher Shop of Mount Joy. The champion weighed 1215 pounds and sold for 83 cents.

The second placed buddy steer was sold to Wenger's Inc. of Myerstown. Wenger's paid 69 cents for Rodney Bomgardner's 1540 pound steer.

Wenger's Inc. purchased one-third of the steers sold, including Edwin Houser's two steers, Elaine Houser's buddy steer and Brett Eberly's buddy steer.

Additional beef buyers included Carlos Leffler, Inc. of Richland; John Auksbach, LeAnn Yorkshires, Lebanon; and Laudermilch's Home Dressed Meats.

Hatfield, Inc. of Hatfield purchased the grand champion swine shown by Jodi Kreider. Ezra Good, representing Hatfield, paid $2.10 cents for the champion.

Heisey's Farm Equipment purchased Marlin Deaven's reserve champion. John Mo"er represented Her- ' paying $1.50 for the reserve ribbon.

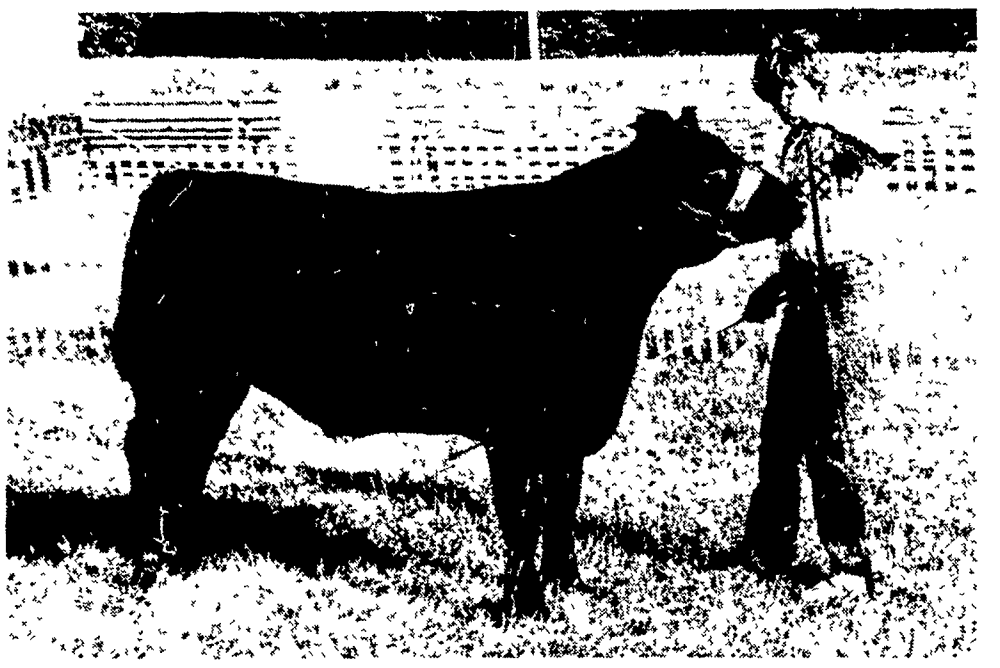
Hatfield Packing also purchased Elaine Houser and Marlin Deaven's swine projects.

Mark C. Hershey Feeds of Lebanon purchased three hogs. They paid 65 cents for Elaine Houser's project and also bought Edwin Houser's and Jodi Kreider's pigs.

Agway Insurance bought Rodney Bomgardner's third place pig, the Agway Accounting Service of Hershey paid 54 cents for Edwin Houser's fourth place pig.

LeAnne Yorkshires of Lebanon purchased two hogs shown by Thomas and Bonnie Arnold.

Additional swine buyers include Ebersole Pontiac of Lebanon; the Evergreen Tractor Company, Mar - de Farms, Fredericksburg; Schaeffer's Lawn and Landscaping Service, D.L. Grumbine and Sons, Myerstown, Amos Balsbaugh Insurance, Kreider's Pioneer Seeds and Lesher Buick Pontiac of Schaefferstown.



George Wilson showed his buddy steer during the Lebanon Fair this past August. The steer was named the champion buddy steer at the recent roundup. The Stonebridge Butcher Shop of Mount Joy purchased the 1215 pound animal for 83 cents per pound.

Cattlemen to meet at Farm Show

STATE COLLEGE — There will be a meeting of the Pennsylvania Cattlemen's Association and Beef Council on January 7 in Room D of the Farm Show Complex. Harry Stambaugh, chairman of the Pennsylvania Beeferendum Committee, announced that this will be an "Open House" to introduce cattlemen to the concept of the National Beeferendum.

Stambaugh explained that a similar program was voted on by beef cattle producers and defeated a few years ago. This year the vote on the new referendum will be held in February.

"We are very optimistic about the passage of the 1980 Beeferendum, particularly because many of the programs which will be provided for by the Beeferendum proceeds will be directed toward the consumer," Stambaugh stated.

He pointed out the meeting on January 7 will not be solely devoted to discussing the upcoming Beeferendum, but also to discuss other items of mutual concern.

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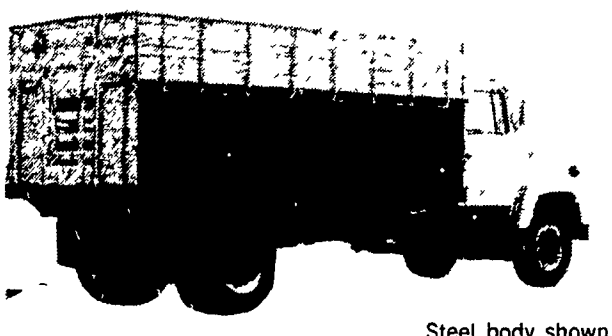

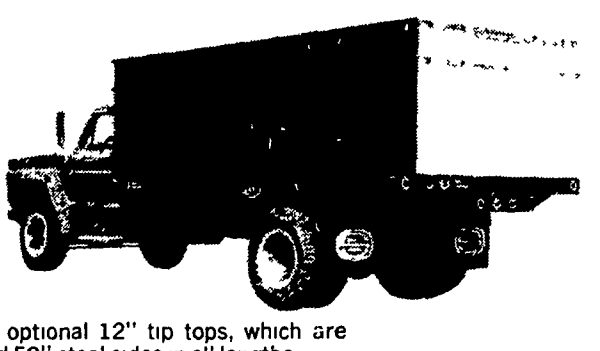

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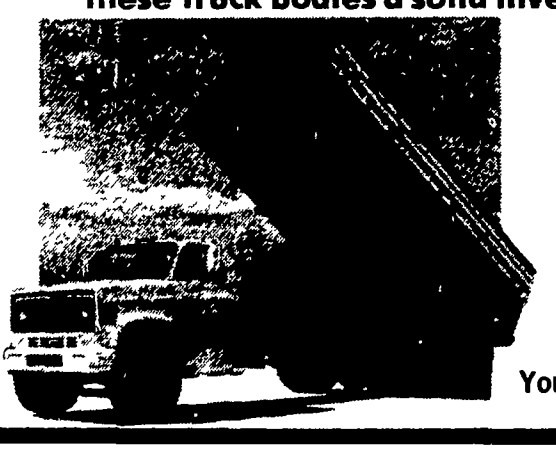

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Cattle group voices concern over counter-cyclical imports

WECOTA, S.D. — The counter cyclical beef import law, as passed by Congress and supported by the National Cattlemen's Association, will be one of the biggest hurdles cow-calf operators will have to overcome past economic losses, the Concerned Cattlemen reveal.

Under the new law, 480 million pounds more (product weight) beef will enter the United States in 1980, Chuck Bellman, spokesman for the group, says.

The Meat Import Act of 1964 which the U.S. has been operating under, would have allowed 1.2 billion pounds. The new Act will allow 1.68 billion pounds.

Bellman said the additional beef is equivalent to almost 200,000 head of cows. All fresh, frozen and chilled imports will be near to 6.75 million head or the total U.S. cow slaughter during years of non-liquidation.

In addition to fresh, frozen and chilled beef, live animals can be imported in unlimited quantities, he said.

Imported fresh, frozen and chilled beef is high chemical lean. Because it is low in fat content, it is mixed with fat from choice U.S. slaughter animals and then sold as domestic hamburger.

A customs law says that "the manufacturer is the consumer," Bellman says. Once the beef is "consumed," it no longer needs to be marked "imported" and can enter the supply pipeline as a U.S. product.

The reason more beef will be allowed under the new law, Bellman says, is that a floor of 1.25 billion pounds has been established and the volume is tied to cow numbers. The NCA was the proponent of the "cow number theory." They also negotiated the 1.25-billion-pound base at hearings before committees in Washington, D.C.

Bellman said the Concerned Cattlemen and some other groups backed a price factor that would be the determinant of beef imports.

What NCA failed to recognize, he said, was that oversupplies of pork and chicken, as we are seeing today, could keep beef prices low even when cow numbers are diminishing.

A price factor to determine imports, Bellman contends, would have been sensitive to the needs of the cow-calf operator. It would have considered the economic needs of the industry rather than overall demand for meat.

Cow numbers do not dictate price of beef, Bellman said, because supplies of beef outside the United States fluctuate, often in a negative number.

Now that we have the new law, Bellman says, the industry will have to live with it. In the meantime, the world's largest importing country of beef, the United States, opens up its doors January 1 to even more beef.

"Under current policies, only when the U.S. consumer eats up all the beef in the world, the U.S. cow-calf operator will have a chance," he said.

Students pass snowmobile course

QUARRYVILLE — Safe snowmobiler patches and certificates have been issued to 21 snowmobilers. They earned their pocket-size certificates and Safe Snowmobiler patches by passing the examination given at the end of the Pennsylvania Snowmobiler Safety Course which was organized by Southern Lancaster County Farmer-Sportsman's Association.

Other certified volunteer Pennsylvania Snowmobile Safety Instructors participating in teaching the course were: Jeff Mussmon, Ben Wenger, and Charles Peitzman.

The course is designed for youngsters 10 to 15 years old, but snowmobilers over 15 are also invited to take the course.

Persons who successfully passed the Pennsylvania Snowmobile Safety Course were: Danean Charles, James Charles, Steve Eberly, Ken Eshelman, Mark Grimm, Melissa Grimm, Michelle Groff, Mark Henry, Brent Herr, Troy Herr, Ronald C. Herr, Jr., Kenneth R. Holston, Sherri Holston, Craig Huber, Daniel Roth, Michael Roth, Michael Slaymaker, Debbie Jean Stoltzfus, Bonnie Wilson, and Susan Wilson.

Questions on the snowmobile program in Pennsylvania may be sent to: Department of Environmental Resources, Snowmobile Unit, P.O. Box 1467, Harrisburg, PA 17120.

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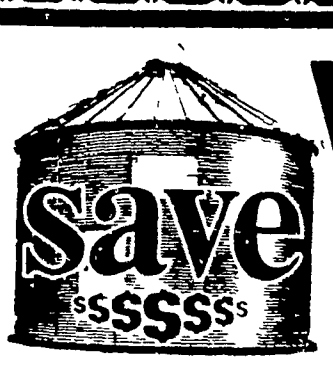

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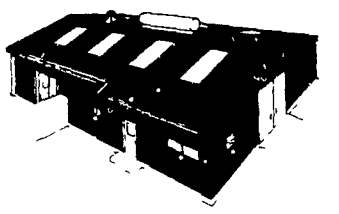

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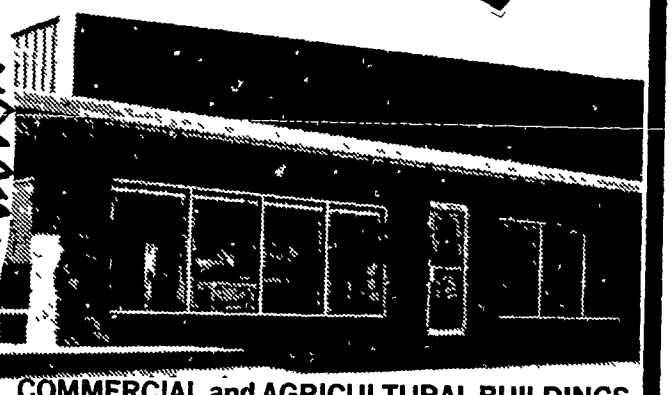

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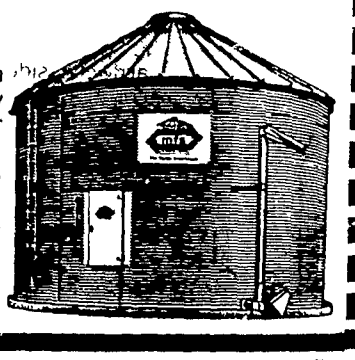

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Ask the VMD

Leon Riegel — Tim Trayer — Edgar Sheaffer

A reader asks: We have an old horse that's around 25 years old. We have had his teeth floated faithfully, and were told that his grinding teeth are just about worn away. Should we put him on a special diet? Is there a recommended recipe for a mash?

Dr. Sheaffer comments: You are correct in having the teeth of your 25 year old horse examined on a regular basis. I recommend that this be done at six month intervals, twice a year. This is especially important for horses that are over 12 to 14 years of age.

Equine teeth grow continuously during the life of a horse. Dental x-rays of a young horse show the roots of the cheek teeth extending very deep into the jaw bones. It is these cheek teeth, called premolars and molars, that most frequently need to be treated.

Treatment consists of "floating", filing or rasping, the sharp edges that will cut the cheek or tongue when the horse chews grain. Generally, it is the upper cheek teeth that lacerate the cheek while the lower cheek teeth cause injury to the tongue.

Have your veterinarian examine the mouth for evidence of laceration, ulcers or other injury from sharp points on the teeth.

As a horse ages over twenty years, his ability to chew whole grains decreases. It would be good if you would break the hull on the grain by rolling or cracking.

Rolled oats, barley or corn do not have to be chewed as thoroughly as whole grains. The digestive system will be able to extract more nutrients from the feed when the grains are rolled or cracked.

Coarse grinding is also acceptable providing that the oats are not turned into a fine powder. Pelleted rations, fed along with long stem hay, may also be appropriate for your horse.

Hay for older horses should be of average to good quality. Look for a mixed hay, part timothy or other grass and part alfalfa or clover, that has a good green color and does not contain any mold. Stay away from hay with poor color that was too old before it was mowed and baled.

I have found that older horses, regularly fed bran in their diet, have less problems with impaction colic. Bran adds bulk to the diet and also is a mild laxative.

Bran can be added daily at the rate of one or two cups mixed with the normal grain ration. Many horsemen give a hot bran meal twice weekly.

Contact your veterinarian for recommendations regarding addition of bran to your horse's ration.

Hog inventory up 2% projected farrowing down

HARRISBURG — There were 840,000 hogs and pigs on Pennsylvania farms December 1, 1979, according to the Pennsylvania Crop Reporting Service. This inventory was up two percent from a year ago and six percent from December 1, 1977.

Breeding stock at 89,000 was down 23 percent from last year, while market hogs at 751,000 were up seven percent. The fall (June-November) pig crop for 1979 of 511,000 pigs was three percent less than last year's fall pig crop of 526,000.

There were 70,000 sows farrowed with an average of 7.3 pigs per litter.

Keystone farmers intend to farrow 70,000 sows during the spring (December-May) of 1980. If realized, farrowings will be three percent less than last year.

Nationally, inventory of hogs and pigs was estimated at 67.0 million head, 11 percent above a year earlier, 18 percent more than December 1, 1977, and the largest December 1 inventory since 1970.

Breeding inventory at 9.55 million was virtually unchanged from a year ago but 11 percent above two years ago.

Market hog inventory at 57.4 million was 14 percent above last year and 20 percent more than December 1, 1977.

U.S. hog producers intend to farrow 7.18 million sows during the December 1979-May 1980 period about the same as a year ago and 19 percent above two years ago.

Dutch Country Goat Assn. to meet here Tuesday

LANCASTER — The January meeting of the Dutch Country Dairy Goat Assn. will be held Tuesday, Jan. 8, 7:30 p.m. in the basement of the Farm and Home Center, Lancaster.

"Kids, Kidding, and Doe Care" will be the topic for a round-table discussion on various methods of handling the up-coming kidding season.

The Club, formerly the Lancaster County Dairy Goat Club, recently reorganized and elected officers for 1980. They are: Pat Kauffman, Pequea, President; Jacob Fisher, Manheim, Vice-President; Meg Park, Drumore, and Jill Wagner, Holtwood, Secretaries; and Ivan Stauffer, Ephrata, Treas.

Dues for 1980 have been set at $3 individual and $5 family and will include voting privileges, listing in a club directory, breeder listing and quarterly newsletters.

Checks may be mailed to Ivan Stauffer, R.D.3, Sensenig Rd., Ephrata, Pa. 17522.

Dues should be paid early to ensure listing in the club directoy.

The 4-H goat club also elected officers. They include: Karen Kemrer, Creswell, Pres.; Dan Von Saal, Drumore, Sec.; Jason Kauffman, Pequea, Treas. Any youngsters 8-18 years of age interested in dairy goats are urged to join. If interested call 284-4340.

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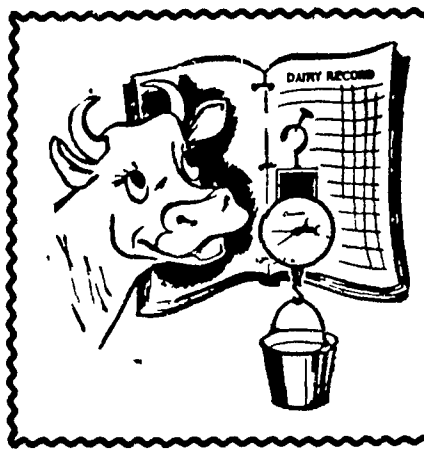

Schuylkill County DHIA Monthly Report

Schuylkill County
November 1979

A total of 1042 cows were tested Only herds averaging 1 4 pounds of milkfat per cow per day or over, and on an official program, are reported The report on individual cows includes only those reported and producing over 600 pounds of milkfat

OWNERS	NO. COWS	LBS. MILK	LBS FAT
Miller & Rex, Inc	35 8	51 3	2 12
Carl J Synder	58 0	45 2	1 78
Heisler Brothers	71 6	42 3	1 71
Heisler Brothers	71 3	40 8	1 65
Franklin Troxell	43 6	40 5	1 65
Emmett W Rhein	1 0	82 5	1 63
Carl W Brown	52 5	40 7	1 59
William R Daubert	79 3	37 2	1 55
John P Leatherman	53 6	40 5	1 55
Martin L Daubert	32 8	35 3	1 55
Henry J Reiner	17 5	39 3	1 54
Emmett W Rhein	79 2	32 1	1 50
Carl & Dale Heisler	61 0	43 8	1 50
Bruce Leatherman	73 6	47 1	1 50
Paul Heisler	48 4	37 5	1 49
Paul & Ken Wagner	58 4	37 1	1 46
Irvin Hepler	34 6	35 5	1 43
Snyder Brothers	87 0	38 0	1 41

Fifty cows finished lactation records with 600 lbs of milkfat in November The records are based on 305 days or less, 2x actual production

OWNER NAME OR NUMBER	AGE	LBS MILK	LBS FAT
Bruce Leatherman			
Lady	7-3	27,855	1027
Juliet	6-4	22,733	945
Ollie	5-9	24,332	922
Chesta	3-6	21,150	844
Patti	4-4	20,307	826
Elsie	4-1	21,586	784
Daisy	4-4	20,569	757
Rocket	4-1	22,510	666
Girl	4-2	17,664	656
Isabel	4-8	17,241	650
Heisler Brothers			
Ida	7-1	22,553	894
Princes	5-11	20,014	770
Roxy	6-10	19,837	769
Irene	4-3	21,719	757
Anna	9-5	18,954	749
Satin	4-10	19,380	741
Pam	3-11	18,516	739
Peggy	4-1	18,867	727
Sonya	8-9	16,563	713
Fay	7-0	17,751	666
Inex	3-4	16,543	600
Miller & Rex, Inc			
Dawn	4-1	23,771	811
Renee	9-8	21,597	769
Penny	6-2	18,743	662
Cherie	2-0	18,007	616
Melvin E Stoltzfus			
Louise	4-0	22,220	758
Jenny	6-2	21,028	739
William R Daubert			
Faye	3-6	19,696	733
Fawn	3-6	13,647	637
John P Leatherman			
Muffin	7-4	21,932	723
Carl & Dale Heisler			
3	2-11	18,686	716
Snyder Brothers			
Stella	6-2	17,635	711
Jody	5-1	18,571	702
Marble	5-6	19,433	696
Pearl	6-0	19,158	671
Darlene	5-5	19,765	645
Ivy	4-8	17,958	644
Candy	5-10	17,216	640
Paul Heisler			
Blossom	3-5	18,758	702
Kathy	4-1	16,543	600
Carl J Snyder			
Apple	6-4	20,492	665
Paul & Ken Wagner			
Spot	3-2	17,599	638
Elwood L Rothermel			
Gal	8 8	15,537	630
Emmett W Rhein			
Opal	4 5	13,851	627
Carl W Brown			
Becky	4 3	17,138	626
Lolly	6 10	18,739	613
Henry J Reiner			
Marie	4 3	15,197	616
Irene	5 0	16,157	608
Franklin Troxell			
Pond	4-0	18,276	615
Irvin Hepler			
Brenda	4-8	15,908	604

West Snyder students earn SUN Degree

BEAVER SPRINGS — Each Fall Students from Snyder, Union, and Northumberland Counties gather together to award outstanding FFA members the SUN Area Degree.

This degree is the third highest of five degrees that can be obtained by FFA members. The meeting was hosted by the Selingsgrove FFA Chapter.

Special speaker at the meeting was the State FFA vice-president, Daryl Beiler.

Recipients of the SUN Area degree from West Snyder were Jackie Beaver, Lary Herman, Richard Keiser, Clair McKnight, Timothy Reich, Randy Troxell, Tony Troxell, and Barry Waite.

Beaver is the daughter of Mr. and Mrs. Richard Moyer, her projects included dairy calves.

Keiser is the son of Mr. and Mrs. William Keiser. He also has a dairy herd.

As the son of Mr. and Mrs. Hugh McKnight, Clair has a beef finishing project.

Reich has had dairy heifers. He is the son of Mr. and Mrs. Harold Reich.

The Troxells are the sons of Mr. and Mrs. Larry Troxell. Randy's project has been breeding sheep while Tony's project included market lambs.

Barry Waite, the son or Mr. and Mrs. Robert Waite was named runner-up for the County Star Farmer Degree. Barry's project included a dairy herd. The Star farmer is a degree given to the outstanding FFA member in the County.

West Snyder High School placed second in the exhibit booth contest.

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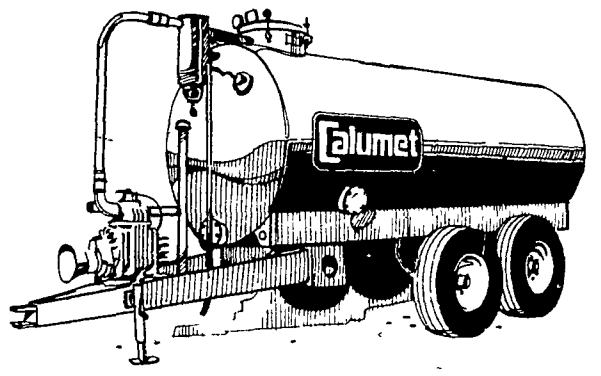

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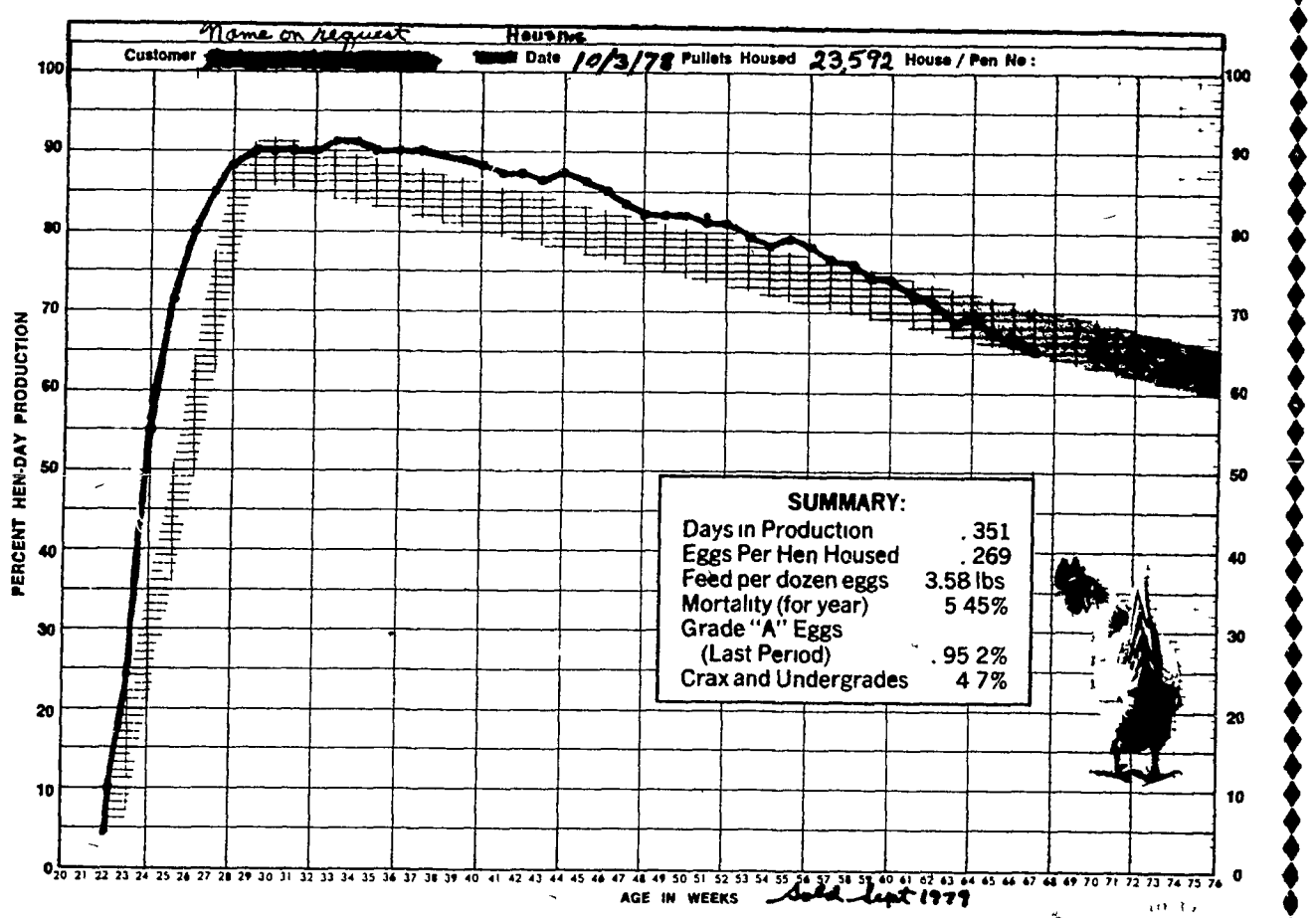
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Eggs Per Hen Housed .269
Feed per dozen eggs 3.58 lbs
Mortality (for year) 5 45%
Grade "A" Eggs (Last Period) .95 2%
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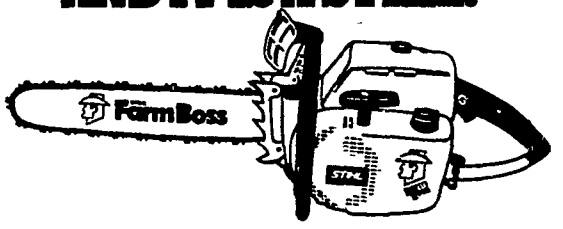

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Junior dairyman winners announced

Junior Dairyman Contest Questions

1. True or False - A low line milk line results in reduced vacuum fluctuations at teat end compared to high line milk line.

2. What traits are completely controlled genetically in cattle?

A. Milk production B. Mastitus C. Horns D. Number of lactations.

3. What percent does a paternal grandsire contribute to the inheritance of the calf?

A. 25 B. 35 C. 50

Hopefully, if you were to ask these questions of any of the 110 contestants in the 1979 Junior Dairyman Contest, they would correctly answer 1.) True, 2.) C., and 3.) A.

This is just a sample of the extensive knowledge of the entire dairy industry that the 14-19 year old 4-H and FFA members had to know for the contest.

The first part of the contest involved eleven different stations for the contestants to complete.

Four of these stations are classes to be judged. One of a class of commercial dairy heifers, one of dairy steers, another of dairy goats and also a class of hay to be judged. Two of the stations involved identifying dairy products and there was a station to identify different grains and feed stuffs used in dairy rations.

A written exam covering questions on management, herd health, dairy products, genetics, nutrition and the general dairy industry filled another two stations.

The final two stations involved identifying different milking systems and their parts and questions about the milking process.

Upon the completion of all of these stations, the team and individual placings were announced.

The Baltimore County 4-H Team won the team division and beat out second place Cecil County 4-H team by two points. There were 32 teams competing.

Team members from Baltimore were Milton Anderson, Scott Wilson and William Warns, Junior.

Eric Knutsen, Mark Krauss and Don Moore made up the Cecil County Team.

Chester County, Pa. was third, Harford County 4-H finished fourth and York, Pa. 4-H was fifth.

The top ten individuals were announced but their final placing would not be determined until they competed in four more advanced stations.

Buck Schaeffer from Maryland Artificial Breeding Cooperative headed up a station on Reproduction. Buck asked questions about A.I., the reproductive tract and breeding.

Billy Heath worked with them on proper Fitting and Showing Techniques, while Marlin Hoff's station dealt with overall management. After reading a made-up situational farm operation, the contestants had to discuss what changes could be made to improve this set-up - the pro's and con's and why.

One final personal interview was with Grove Miller, from the Maryland State Fair Board and Farm Bureau, and Herb Wessel, President of MCMP that covered milk marketing and other facets of the industry.

After totaling points from these and adding it to their previous score, the top ten individuals were as follows: 1. Milton Anderson, Baltimore County 4-H; 2. Fritz Wainwright, Burlington, N.J. FFA; 3. Patty Greek, Red Lion, PA FFA; 4. Keith Stoltzfus, Chester Co., PA 4-H; 5. Billy Warns, Baltimore Co. 4-H; 6. Julie Amos, Harford Co. 4-H; 7. Ed Breckbill, Chester Co. PA 4-H; 8. Eric Knutsen, Cecil Co. 4-H; 9. Bob Prigel, Hereford FFA; 10. Jeff Burkholder, Lancaster Co. PA.

Milton Anderson won his choice of $1,000 or a Registered Holstein Calf. This award was presented by Cold Springs Farm, the Marlin Hoff family.

Everyone participating seemed to have a good time as well as learn more about dairying. Be sure to watch for information about next year's contest.

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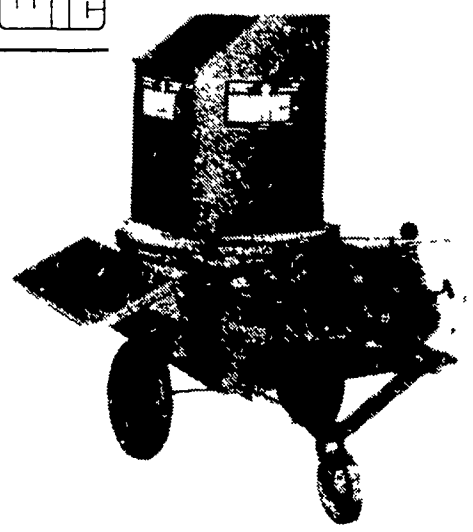

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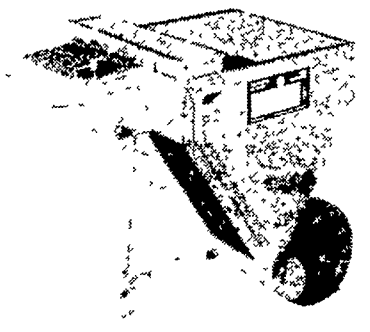

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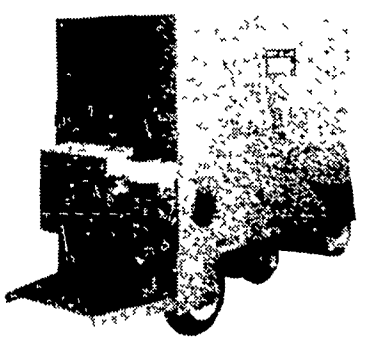

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A group of cats is called a clutter.

N.J. soybean growers to vote on referendum

SALEM, N.J. — New Jersey soybean growers are holding a referendum on the establishment of a New Jersey soybean grower investment checkoff program.

"We are conducting a mail ballot for the referendum," says Preston Ware, a soybean grower from Salem.

"The ballots will be mailed to soybean growers on January 15 and must be returned within 60 days.

"A grower investment checkoff program will begin if approved by 65 percent of voting soybean growers representing 51 percent of production, or if approved by 51 percent of those voting representing 65 percent of production of those voting."

If the referendum passes, one cent per bushel will be automatically deducted at the first point of sale.

These funds can be invested only for market development, research and education programs for soybeans.

A Soybean Industry Advisory Panel will determine how to allocate the funds collected through the grower investment checkoff.

The panel, to be appointed by the state board of agriculture, will include six soybean growers, one soybean processor representative, two soybean handlers or dealers, the Dean of Cook College and the secretary of agriculture.

"More than 460,000 soybean growers in 21 other states are currently participating in state grower investment checkoff programs," Ware says.

"The state and national research, education and market development programs supported by the grower investment checkoff have greatly benefited all soybean growers. I hope New Jersey growers will vote to join this tremendous program."

Soybeans are now the number one cash crop and number one export in New Jersey. The 1979 soybean crop, valued at $42 million, was grown on 210,000 acres in the state.

For the information about the New Jersey soybean referendum, contact Preston Ware in Salem or Wallace Johnson in Holmel.

Sugar turns in sweet DHIA record

WEST CHESTER — Sugar, a five-year-old Holstein belonging to John M. Umble, was the high butterfat cow in last month's Chester County DHIA report. She produced 1140 pounds of fat, along with 21,450 pounds of milk.

Another top cow was M Molly, out of the Edwin C. Todd herd. The eleven-year-old Holstein was second in both fat and milk production. She made 1128 pounds of milkfat and 27,675 pounds of milk during her outstanding record.

The high cow for milk production in Chester County was #142 of the Allen S. Hoover herd. This four-year-old Holstein made 28,614 pounds milk and 707 pounds fat.

Third place in the county for both milk and fat production went to Jefferson D. Yoder's Cow #84. During her 305 day record, this cow milked 26,413 pounds and gave 1043 pounds of fat.

Cow #66 turned in a record that ranked fourth in the county. The cow, owned by Dean Roland, produced 25,652 pounds of milk and 810 pounds of milkfat.

Regent, a four-year-old Holstein owned by Paul King, turned in a record of 25,350 pounds of milk and 794 pounds of milkfat.

Sixth in the county in milk production was Merle J. King's Carla. She made 24,946 pounds of milk and 785 pounds of fat.

Stablemates to the third ranked cow in the county, had records that fell in line for seventh and eighth place for milk production. Jefferson Yoder's cow #19 gave 24,626 milk and 896 fat, while cow #77 made 24,495 milk and 831 fat.

Harry Freese and Son's cow Elsy had a recorded milk production of 24,327 pounds, and a fat record of 805 pounds.

Arlene, a four-year-old Holstein out of the George P. Lamborn herd, gave 24,271 pounds of milk and 807 pounds of fat.

Not surprisingly, Jefferson Yoder's herd ranked at the top of the list for fat production, with 2.19 pounds. Following the Yoder herd was Dunwood Farm with 2.13 pounds fat; George P. Lamborn tied this fat record. Roll-A-Way Farms came in fourth with 2.10 pounds, followed by David Windle with a record of 2.04 pounds fat.

Out of the 176 cows that completed their records with over 700 pounds of milkfat, three cows made over 1000 pounds, seven had over 900 pounds, forty-eight made over 800 pounds and one-hundred-eighteen made over 700 pounds. Over eighty farms cooperated in the DHIA record. SM

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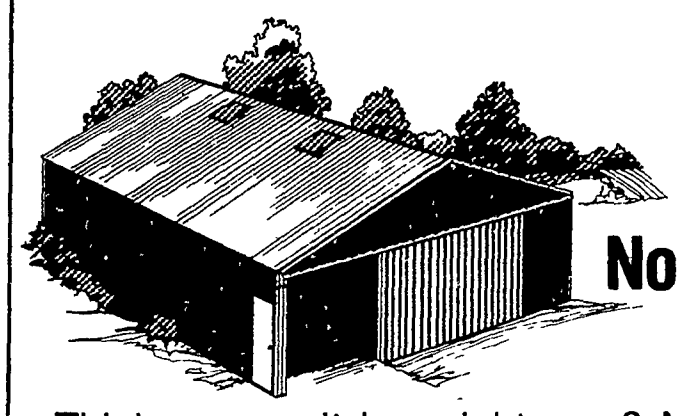

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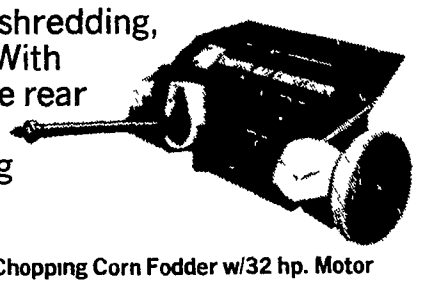

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Delaware growers request soybean referendum

DOVER, Del. — The Delaware Department of Agriculture received a petition to initiate a commodity development referendum for soybeans on December 28. This is the first request to hold a referendum under the newly enacted Agricultural Commodities Development Act.

Presenting the petition to State Agriculture Secretary Alden Hopkins were: Henry Retz, President, Delaware Crop Improvement Association; Olin Gooden, Director, American Soybean Association and President, Mid-Atlantic Soybean Association; Homer Torbert, Vice President, Mid-Atlantic Soybean Association; Joe Hughes, Research and Education Commiteee, Delaware Crop Improvement Association and David Woodward, Kent County Agricultural Agent.

While accepting the petition, Secretary Hopkins explained that this request for a referendum reflects changing attitudes in the agricultural community.

If established, the referendum would allow local soybean producers to collect money from themselves for predetermined purposes such as soybean research or marketing. This can reduce the local producers' dependency upon tax dollars for research and make the state's producers more competitive, he said.

The next step in the referendum process is for Secretary Hopkins to choose a nominating committee of five persons.

This nominating committee will select the candidates for the first soybean advisory board. After the candidates are selected, the Secretary will hold an election to allow soybean producers to elect the first advisory board.

The soybean advisory board then drafts the soybean development order. It is the development order that specifies how much money will be collected and how the money will be used.

After public hearings on the order a second election will be held to allow the state's soybean producers to vote on the development order.

Dairy does goat club visits nursing home

FLEMINGTON, N.J. — The Hunterdon Hills Nursing Home on Hill Road in Lebanon Township was the scene of a Christmas Party given for the patients by one of the Hunterdon County 4-H Clubs.

The Dairy Does, a goat 4-H Club, arrived at the Nursing Home about 6 p.m. and club members went around and visited with each patient. Santa, played by Jim Hornbaker, and three elves played by Susie Allen, Lisa Hoffman, and Gary Hults, wished every patient a Merry Christmas and gave each a gift made by the club members themselves.

Beverages were supplied by the Nursing Home while homemade cookies made by club mothers were served.

The children were assisted by Mrs. Beverly McCormick, Mrs. Mary Ann Hornbaker, and Mrs. Sheila Baumann. Club members participating were Shaun and Brent McCormick, Eric and Keith Baumann, Diana Cassel and her friend Vicki Ader, Donna and Gary Hults, Debbie Cerratto, Kim Thurber and her friend Christine Salazar from El Salvador, and Jim and Sandra Allen.

FARM SHOW WEEK SPECIALS..

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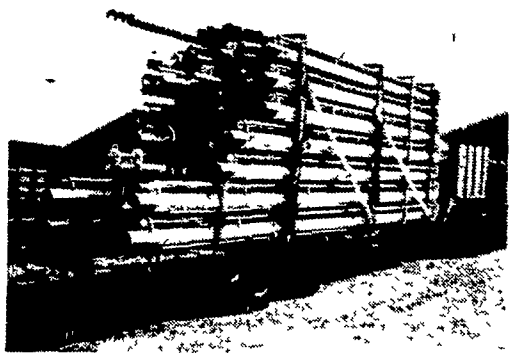

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8"x55' P.T.O. Drive*	2454.00	1840.50
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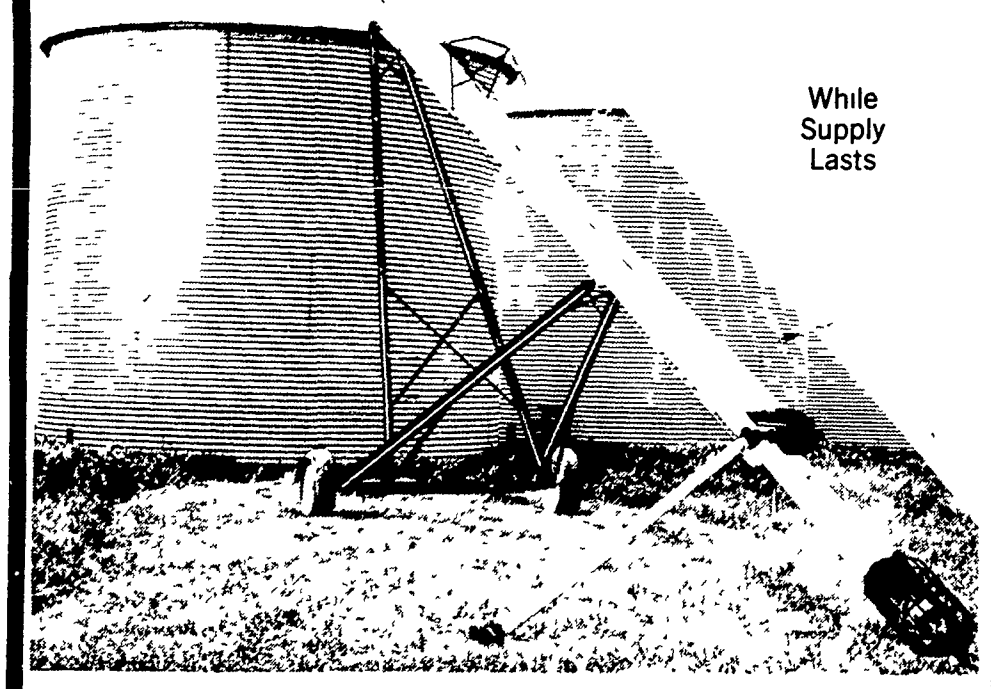
*These augers are equipped with under carriage, wheels, P.T.O. shaft, less tires and tubes.



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Agway supports dairy, livestock research

SYRACUSE, N.Y. — Checks totaling $32,000 for 12 dairy and two livestock research projects, supported by Agway financial grants-in-aid during 1979-80, were presented to researchers from 10 northeastern universities at the Agway College Dairy Conference recently. Ten of the projects are new and four are continuing investigations.

Agway sponsors the College Dairy Conference each Fall to bring university researchers together with industrial and agricultural experts to discuss current trends and research findings in the dairy business.

In dairy, five projects on protein sources, solubility and nutrition are supported with grants of $16,000; two mineral nutrition trials are supported with $3000; three grants totaling $4500 support studies on dietary fat, buffers, and factors affecting yield of rumen bacteria; and $4500 is provided for two studies on the effects of photoperiod and environment.

Two livestock trials involving swine and sheep are funded with $4000.

Universities conducting Agway-supported dairy and livestock research include: Cornell University, University of Maryland, University of Maine, University of New Hampshire, Ohio State University, Penn State University, Rutgers University, University of Pennsylvania School of Veterinary Medicine, University of Vermont, and West Virginia University.

University researchers receiving Agway Dairy & Livestock grants-in-aid for 1979-80 are left to right: (front row) Doctors Charles Sniffen, Cornell; Donald Palmquist, Ohio State; Darwin Braund, Agway (presented awards); Dale Bauman, Cornell; William Hoover, West Virginia; (second row) James Wohlt, Rutgers; Robert Young, Cornell; William Chalupa, Pennsylvania; James Welch, Vermont; Leonard Bull, Maine; John Vandersall, Maryland; Richard Warner, Cornell; Daniel Hagen, Penn State; and Charles Schwab, New Hampshire.

Wheat projected up 2% but acreage off 4%

HARRISBURG — Based on December 1 conditions, Pennsylvania's 1980 winter wheat crop is forecast at 8,320,000 bushels, two percent more than in 1979, according to the Pennsylvania Crop Reporting Service.

Total acreage seeded for the 1980 crop is 260,000 acres, a four percent decrease from last year.

Total acreage seeded for the 1980 crop is 260,000 acres, a four percent decrease from last year. Total acreage seeded for the 1980 rye crop is 65,000, the same as in both 1978 and 1979.

Farmers in the United States seeded 56.8 million acres of winter wheat in the fall of 1979 for the 1980 crop. This is nine percent more than last year's 51.9 million acres and 19 percent more than the acreage planted two years ago.

Winter wheat for 1980 based on the condition of the crop on December 1, 1979 is forecast at 1.57 billion bushels. This is three percent less than the production in 1979. Yield per seeded acre is forecast at 27.6 bushels.

Growers seeded 2.65 million acres of rye for all purposes in the fall of 1979. This is 14 percent less than the 1979 crop plantings of 3.08 million acres and 11 percent below 1978 crop plantings.

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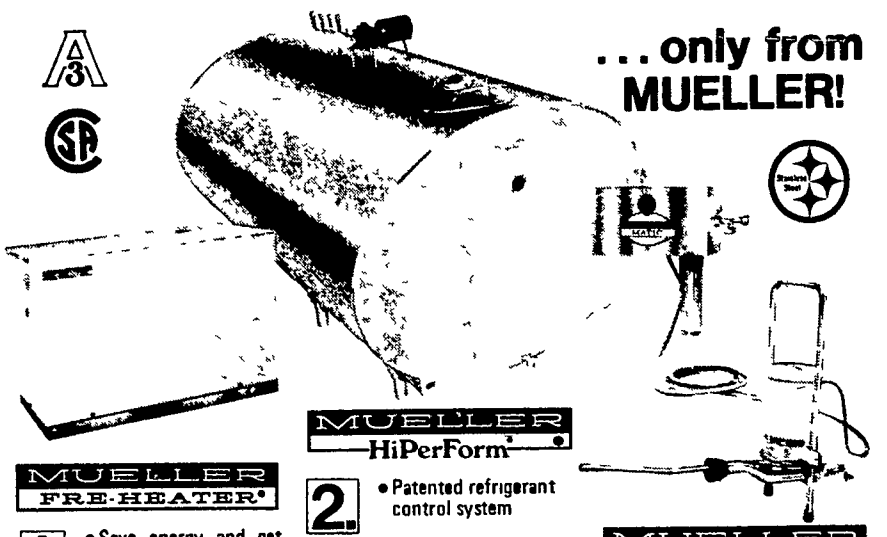

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* A refrigerant control system licensed under and covered by Westinghouse Patent 3,264,837 and perhaps others

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USDA urges cattlemen to vote

WASHINGTON, D.C. — Beef producers will vote early in 1980 on whether they want a nationally coordinated beef research and information program. The upcoming referendum was announced recently by Assistant Secretary of Agriculture P. R. Smith. He said beef producers will be asked to register for the referendum between January 28 and February 6.

They'll vote by secret ballot February 19-22.

The order issued by the U.S. Department of Agriculture authorizing the program provides for a beef board of up to 68 producers to administer the program. There would be as many as five non-voting consumer advisors to the board.

Each state or geographic area would be represented on the board in proportion to its share of the U.S. cattle industry.

The program would be funded by assessments based on the value of cattle sold. During the first two years of the program, assessments could be up to two-tenths of one percent of the value of cattle sold (20 cents per $100).

After two years, the board could recommend an increase up to five-tenths of one percent.

All sellers in the marketing chain would be assessed. The buyer at the point of slaughter would deduct the total assessment and forward it to the board. Any producer could request and receive a refund of the assessment paid.

Ray Fitzgerald, Administrator of the Department's Agricultural Stabilization and Conservation Service, said his agency will conduct the referendum. The Department's Agricultural Marketing Service will monitor the program.

Rules for registering and voting in referendum have changed, noted Fitzgerald. He said the Department determined that 10 days (8 working days) would be sufficient for all producers to register and that the four-day voting period would result in a more efficient voting procedure and reduce administrative costs.

A similar order, issued in 1977, although favored by 56.4 percent of voting producers, did not receive the required two-thirds approval. Since that time, the Beef Research and Information Act has been amended by Congress so that a majority of producers will be sufficient for approval of the order.

Following the change in legislation, beef industry organizations proposed a new order. A public hearing has been held in five locations. Based on the hearing testimony, the Department issued a recommended decision and order in September.

Comments were accepted for 45 days and were considered in developing the order announced recently.

Producers may register and vote at local ASCS offices. Registration and voting can be completed by mail if information and ballots are requested in advance.

Farm methane system on display at Farm Show

HARRISBURG — Farm fuel systems to make methane and alcohol are being introduced for the first time at the Pennsylvania Farm Show by Martin Distributors Inc.

The digestor produces methane gas from manure which provides the fuel to run an engine with a generator, enabling a farmer to produce his own electricity.

The hot water from engine supplies free heat to operate the equipment to make your own farm fuel (alcohol) from corn, which is a good grade farm fuel to run your tractors, trucks and cars.

The exhaust heat from the engine is used to dry the mash which is corn left over from making the alcohol that turns into 32 percent protein feed (brewers grain).

The same farm milling system that grinds the corn is also used to make a complete feed using the 32 percent dried mash to replace soybean meal.

The display will be set up and operating as much as possible on the inside of a grain bin located outdoors in the parking lot on the West side of the large arena.

The bin will be heated from the excess engine and generator heat, showing how it can also dry grain at harvest time or either heat a building.

Regional soybean meeting set for January 17

WARRINGTON — A regional soybean meeting is scheduled for January 17 to bring together farmers, researchers, extension and commerical people to hear the latest on soybean growing for Southeastern Pennsylvania.

The meeting will be held at the Warrington Motor Lodge Restaurant, Routes 611 and 132.

The session will begin at 9:30 a.m. with coffee and rolls. Speakers' program begins at 10 sharp, according to Bucks County Extension Director Dick Bailey.

A buffet luncheon will be available for $5. Reservations for the buffet luncheon must be made by January 10 through the Bucks County Extension Service office, Neshaminy Manor Center, Doylestown.

Bailey said the meeting will qualify farmers for their pesticide applicators certification renewal. Farmers should bring their permits with them to the meeting.

Included on the program will be such topics as grading a soybean crop, the soybean market, variety demonstration results, double-crop soybeans, herbicide activity and no-till soybeans.

Panel members also will look at Dual, Blazer and Basagran herbicides. And they will take a short time to discuss corn production in 1980.

Among the speakers scheduled for the meeting are W.P. Sutton, Lovatt and Company, Inc.; Bill McClellan, Penn State extension agronomist; John Yocum, Director of the Southeast Research Farm; Joe McGahen, Penn State extension agronomist; Jack Beideman, Ciba-Geigy; Mark Blume, BASF; and John Harman, with Rohm and Haas.

The meeting is scheduled to adjourn at 3:30 p.m.

Star Riders plan next meeting

FLEMINGTON, N.J. — The last meeting of the Star Riders 4-H Horse Club was a Christmas Party. Members played games, exchanged gifts and had a good time.

The December 7 meeting was a "Parents Nite-Out", where some of the parents got-together and got to know each other.

The next meeting will be on February 1 at 7 p.m. at the home of Judy Cain. There is no January meeting. Reported by Mike Devins, Club Reporter.

Nurserymen to meet

NORRISTOWN — There will be a meeting of the Pennsylvania Nurserymen's Association on Thursday, January 10. The meeting is scheduled to be held at the Westover Inn and Country Club in Jeffersonville, beginning at 1 p.m.

Sponsored by the Cooperative Extension Service, Penn State's Department of Horticulture, and the Small Business Administration, the meeting will feature updates and advice from many noted people in the nursery field.

Dr. Francis R. Gouin, Department of Horticulture from the University of Maryland will speak to the group on current trends in the business.

In addition, Albert Moony of S.B.A. will discuss how his agency can assist nurserymen.

David J. Steiger, Pa. Department of Agriculture, and Stanley Green, Penn State, will talk to the nurserymen on pesticide certification and how pesticides work. And, Dr. Wayne Hinish, Penn State, will be explaining the soil testing service available from the university.

One of the highlights of the meeting will be Joseph Cesarini, Phyto-Ecology, discussing the potentials of container growing.

After the evening dinner, William Fredericks of Private Gardens, Inc., Hockessin, Delaware, will talk to the group on using native plants in landscaping.

For more information, contact James K. Rathmell, Jr., the floriculture and nursery agent in Norristown.

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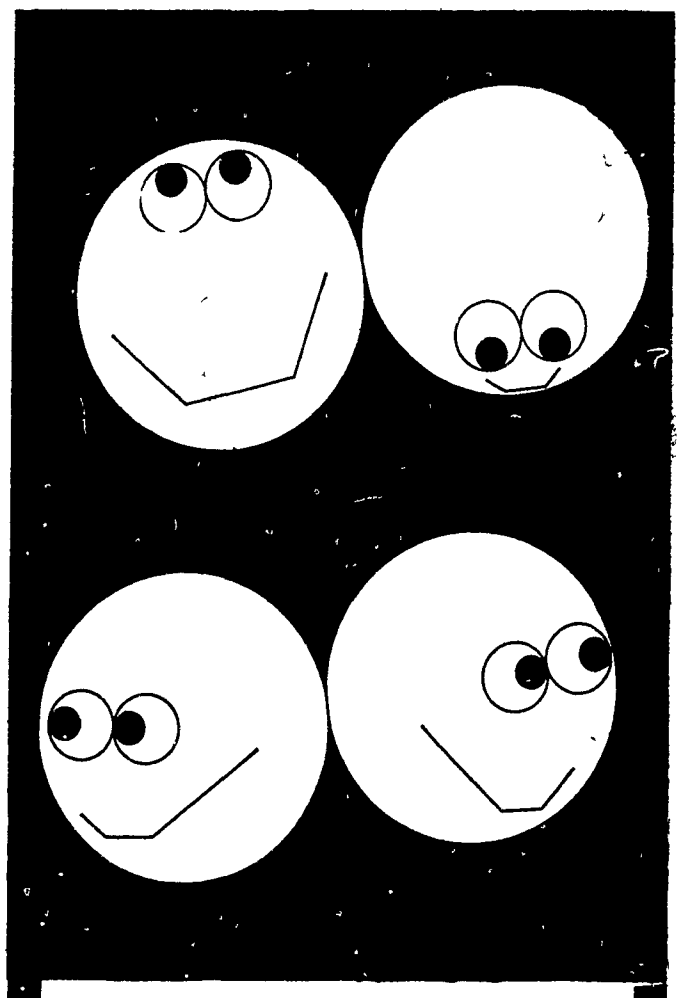
For Sale - 73 Case 580B backhoe loader, good condition, ROPS roll bar, full homemade cab, 3 axle tag-along Lowboy, 62 GM diesel single axle dump, 238 engine just overhauled, 33,000 gross weight, package $18,000. 717-444-3265. Perry Co.



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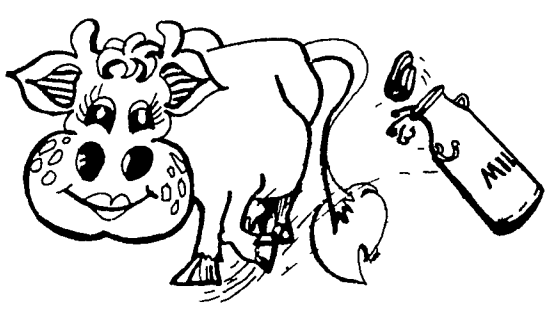

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For Sale - F-1000 Ford spreader box, real good mechanically, 36,000 gross, 1966, very good rubber, will sell together/separate. C-50 Chevy tk 30,000 lb. gross, green, new paint, real good condition, 10:00 x 20 rubber, reason for selling too small. 717-922-1752.

For Sale - 1100 MF D Multipower, wide front, 717-284-4659.

Wanted - Int. loader #2350, 717-284-4628.

For Sale - Bean model 40RC air crop sprayer mounted on 6 x 6 army truck. 215-593-6661.

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For Sale - John Deere 2020 Diesel utility, new tires, 3000 hours, excellent paint, excellent condition $5200 215-445-4280.

For Sale - No. 12 New Idea manure spreader, good condition, new web, $600. Samuel K. Stoltzfus, RD1 Box 147 Peters Rd., Kinzers, PA 17535.

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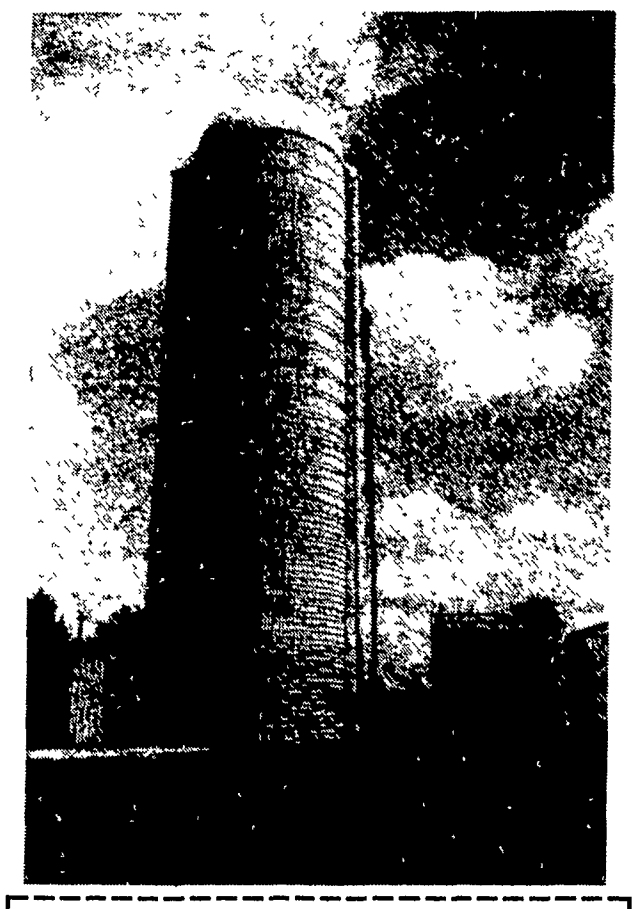

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Ford mounted 602 picker, good shape w/2 roll husking bed
JD 1209 Haybine
Several used N.H. Manure Spreaders in Stock.
Paul Shover's Inc.
35 East Willow Street
Carlisle, PA
717-243-2686

USED EQUIPMENT
JD 4010 Dsl., WFE
JD A Tractor
JD 420 Tractor w/Triumph sickle mower
JD 70D tractor
David Brown 1212 w/Loader
Ford 4000 Gas w/loader
Farmall A w/mower
Case 870 Tractor
JD 500 B w/front end loader & backhoe
Sauder Snow Plow for Ford Tractor
JD 3800 Chopper
JD 6600 Side Hill Combine w/6 row narrow corn head, 13' flexible grain head
AC 303 Baler
JD 336 Baler w/#30 kicker
IHC 440 Baler w/kicker
Hesston 56 Round Baler
Hesston 10' Mower Conditioner
Hesston 6600 SP Windrower w/12' head.
JD 214, 125 & 115 Chuck Wagons
NI 201 Spreader
NI 202 Spreader
JD 54 Spreader
NH 512 Spreader w/hyd. end gate
WENGER IMPLEMENT, INC.
The Buck, PA
717-284-4141

FARM EQUIPMENT

The proof is in the wood
Unadilla Silos
Going strong for more than 70 years
DANIEL S. STOLTZFUS
Narvon, RD2, PA
17555

SAME Leyland Tractors
FOR SALE
Ford 7600 turbo 890 pto. hp. w/Hanson cap. heater, air blower DMI Duals w/18.4 x 34 tires 600 hrs. exc. condition $13,400.
NH Model 362 tank spreader, 145 bu., 1 yr. old $1600
NI 12A spreader, nice condition $500
NI 212-217 spreader w/2nd beater & hyd. gate $1000
Model 465-62 PTO hp. Nuffield tractor w/Loader 1600 hrs., 1 owner, exc. cond. $5000.
NI 218 manure spreader w/2nd beater hyd gate, cylinder & hoses $2385.
New Donahue farm implement carrier, 7'3"x 28 ft. tandem axel 9.5Lx15 8 ply tires $1625.
HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

JOHN DEERE
USED EQUIPMENT
Fox Custom 90 forage chopper
AC 170 Tractor w/loader
AC D17 Tractor
AC 160 Tractor
IHC MTA Tractor
JD 4010 Tractor
JD 4020 Tractor
IHC 666 tractor
JD 25 Sprayer
JD 494A Planter
JD 694A Planter
JD 290 Planter
JD 3300 combine w/grain & corn head
JD 4400 Combine
MF 300 Combine
JD 105 Combine
JD 343 Cornhead
JD 346 Twine Baler w/ejector
JD 214WS Baler
JD 214T Baler
NH 469 Haybine 9'
JD 7' Crimper
JD FBB Drill
JD FB Drill
JD 8350 - 18x7 Drill
JD 3800 Chopper
JD 100 - 8' Disk
JD 110 Disk 13'
Oliver 5x16 Plow
Case - Field Cultivator
FORD - 230 Disk
IHC 575 Manure Spreader (like new)
SPECIAL PRICES ON NEW EQUIPMENT
JD 7x16 Plow
JD 230 Disk - 22'
JD 111 Disk
JD 1630 Plowing Disk
* * * * * *
J.S. COVERT & SONS
Nechanic Station, NJ
201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

FARM EQUIPMENT

FOR SALE
Steiger Bearcat I excellent condition, 210 h.p., 3 pt. hitch, 1900 hrs., $21,500
AC 4-row plate no till corn planter
717-837-0107 or
717-837-3214

New Equipment
Gehl CB 700 forage harvester w/2 row corn head & hay pickup head.
IH #55 chisel plow, 10', high clearance.

Used Equipment
Pincor alternator, 540 PTO drive, 15,000 KW
IH #510 grain drill on rubber, single disc w/fertilizer.
430 IH baler w/thrower
225 IH hay swather, 10' cut
IH 990 mower conditioner, 9'
400 cyclo Int. 6 row corn planter w/dual wheel attachment, insecticide hoppers & dry fertilizer, real bargain
Ford baler w/thrower

MECKLEY/DALMATIA
Dalmatia 758-3021
758-6491

BUY YOUR 1979 GT MODEL 570 GRAIN DRYER TODAY & RECEIVE A $400 REBATE

NEW TRACTORS
AC 5020
AC 7045-PS
AC 7000-PS
AC 5050
AC 5040

DEFERRAL OF FINANCE TILL 4-1-80

USED TRACTORS
AC D14-sharp
AC 7000-low hrs.
WD 45

NEW COMBINES
AC model FKS-2 combine

NEW CORNPICKERS
NI wide row w/8 roll husker, $6900
NI 2-row narrow w/super sheller, $7900

USED COMBINES

Deferral of Finance till 5-1-80

(2) Gleaner K
MF 300
IH 303
IH 125
IH 91

USED EQUIPMENT
IH 2MH corn picker
720 NI corn head
AC 238 corn head
LM 438 corn head
726 NI husker
NI 2-row mounted picker sheller
Tank & conventional manure spreaders

ALLIS-CHALMERS
MECKLEY'S GARAGE (717) 758-3915 Herndon, PA

6R AC no-till Air Champ planter #600 $5000
30' Century 300 gal. sprayer $600
JD B Tractor $600
NH Mower 3 pt. hitch #451 $450
36' Little Giant Elevator $700
NH #510 163 bu. Spreader $900
NH #271 Haylıner Baler w/kicker $700
NH Hay Wagon w/sides $300
NH Rake $350
10' Miller Disc $3500
3 ton Owatonna Mixer-Grinder $1500
3 pt. hitch 4R AC 201 high speed rotary cultivator $900
Corn Stalk Chopper 6x6 $300
3 pt. hitch 9' Back Scraper $150
800 gal. SS Milk Tank $450
(5) 10' cement cow troughs $30 each
15,700 bu. MFS 33' grain bin $6500
20x50 Harvestore Hi-Moisture Silo $13,500

215-932-8836 717-529-2582
HENRY WILSON
RD #2 Nottingham, Pa.

NEW EQUIP.
1086D w/cab, air, Red Power Special
86 hydro
F140
420 2&3 btm. plows
540 Spreader
720 4 btm. plow
475 disc, 18'

SPECIALS
#35 Hay Rake $1534
#401 spring tooth harrow, 12' $700
#55 chisel plow $1675

USED EQUIP.
Model 70 hydro tractor, $11,500
JD 2840, $14,500

FINANCE WAIVER UNTIL 3-1-80 ON NEW TRACTORS

INTERNATIONAL HARVESTER CO.
BEL AIR, MD.
301-838-4200

FARM EQUIPMENT

For Sale - New Idea 325 2-row narrow with 12 roll husking bed, good and straight, $4100 or best offer; Days, 717-284-4659, evenings, 717-786-4899.

Hitch up to Massey.

USED EQUIPMENT
Ford 6000 tractor
Ford 9000 diesel
MF 40 loader tractor
MF 85 diesel w/loader
MF 65 diesel w/loader
Ford 8N
MF 510 diesel combine
MF 410 gas combine
Gehl 120 grinder mixer
JD 336 Baler
Gehl 72 chopper
Gehl BF 191 blender box
MF 160 spreader
MF 720 12' disc

LEBANON VALLEY IMPLEMENT CO.
700 E. Linden St.
Richland, PA
Ph: 717-866-7518

FARM EQUIPMENT

TRACTOR & MOTOR REPAIRS
Over 20 years experience with Ford tractors and equipment.
Shop & Road Service
Pickup and Delivery
WALT STIVELY, JR.
Springville Road
Quarryville, RD3
Phone: 717-786-2252

JOHN DEERE

USED COMBINE
JD 4400 w/14' head

TRACTORS
Ford 7600 w/cab, sharp
IHC H, new paint
IHC Super C
MM 1050, like new rubber

HARVESTING EQUIP.
IHC 650 w/4 heads, real bargain
IHC Harvester 350 w/2 hds.

PLANTERS
(1) 6R 400 IH, Ex. Cond.
(2) 4R 400 IH

MISCELLANEOUS EQUIP.
JD 1640 Plowing Disc
JD 145 5-16 Plow
JD 950 15' Roller Harrow
JD 214 Chuck Wagon

TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone: 717-362-3132

TRACTORS
Ford 7600, 800 hrs., ropp canopy
Ford 4600 SU 300 hrs.
Ford 2600, 8 speed PS
Ford 9000 w/cab
Ford 8000 w/new tires
Ford 6000 Diesel
Ford 5200 NFE
Ford 3000, Gas and Dsl.
Ford 3000 Dsl. w/new 730 Idr.
Ford 801, Live PTO
Ford 800 w/hyd. Blade
Ford 800 w/Loader, PS
IH 244 w/Loader & Trencher
IH 424 Dsl., PS, live PTO
Farmall 450 D, PS
Farmall 200
Farmall 230 w/Fast Hitch
Farmall Cub w/mower
Farmall M WFE
Farmall H
MF 2165 w/loader
MF 2135 w/loader
MF 1085, like new
MF 135 G, PS
MF 85, Gas, PS
MF 35, live PTO
MF 30 w/loader
Case 1816 Uni-Loader
JD 2010 w/loader
JD 730 D, 3 pt.
JD 50, PS
JD H, handstart

Allis Chalmers C w/hydraulic plow, cultivator and disc
AC 5040 (new)
AC 5040, 400 hrs.
AC D14 w/post hole digger

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

FARM EQUIPMENT

FOR SALE
LOCKWOOD MARK VI POTATO HARVESTER
HESSTON 10 STAKHAND
73 INT. ½ TON PICKUP
PAUL D. MAST
215-286-9510

USED TRACTORS
FORD 8N
FORD 5000 8 sp. Diesel
CASE 1210 4 wheel drive Diesel
JOHN DEERE 4020 Diesel

EQUIPMENT
New GEHL 95 Feed Grinder at a SPECIAL PRICE

CLOSED SUNDAYS
NORMAN R. SHORES & SON
R.D. 5, Towanda, PA
717-265-9014

AUKER ENA EQUIPMENT AUKER ENA EQUIPMENT AUKER ENA EQUIPMENT

FOR SALE

Amco 14' disc
MF 1155 w/cab & air
MF 175
MF 1130
MF 760 combine, 6 row 30" corn head, 15' grain table
MF 321 corn head
JD 4230 quad range
IH 826
NI 506 loader

MELVIN M. BURKHOLDER
Ephrata, PA.
717-859-2960

MF Massey Ferguson

USED EQUIPMENT
Farmall 300 Gas Tractor
Farmall M
MF 65
MF 510 Combine
MF 63 Cornhead
MF 520 Disc
Ford 8N Tractor
MH 26 Combine
IH 205 Combine
Used Manure Spreaders
JD Grain Drill
Ontario Grain Drill
IH 2 MH Picker

NEW EQUIPMENT
MF 205 Tractor
MF 245 Tractor
MF 265 Tractor
MF 275 Tractor
MF 285 Tractor
MF 30B Tractor Loader
MF 550 Combine
NI 177 Elevator
NI 212 Manure Spreader
NI 213 Manure Spreader
NI 636 Wagons

N.H. FLICKER & SONS, INC.
Box 68
Maxatawny, PA 19538
215-683-7252

NEW TRACTORS
284, 484, 584, 684, 686, 886, 1086

NEW EQUIPMENT
550 IHC manure spreader w/upper beater & slurry pan

TILLAGE EQUIPMENT
4500 Fibrashank cultivator,
5500 chisel plow
(2) 370 disc harrow
475 disc harrow
440 3 furrow plow
510 4 furrow plow
401 spring tooth harrow
56 4 row double disc corn planter

HAY EQUIPMENT
35 rake
(2) 435 baler
15 thrower

NEW EQUIPMENT SPECIAL
(2) New IHC Farmall Cub Tractor with 1 pt fast hitch
$4695 Each

USED EQUIPMENT
884 Utility tractor with 200 hrs $11,500
Farmall H with mower, overhauled

Waiver of finance available on most equipment

Special tractical prices on spring tillage parts
January 15 - February 15, While Supply Lasts!

L. L. ECKROTH FARM EQUIPMENT, INC.
Rd 2,
New Ringgold, PA
717-943-2367

FARM EQUIPMENT

FOR SALE

Ford 630 combine, 4-row wide head, 13' grain platform
717-398-1854
after 6 p.m.

NEW EQUIPMENT SPECIALS
IH 284 tractor $4975
IH 12' 45 vibra shank cultivator, $1,495
2 IH 7' 2 rank chisels, $1,095 ea.

USED EQUIPMENT
IH 454 tractor
IH 315 combine
IH 203 combine
JD 45 combine, $900
IH 540 4F 16" plow, $1,295
NI flail chopper, direct throw, $1,595
Starline tank spreader, $750
IH 555 spreader
IH 550 spreader
Bearcat cultimulcher, $1,450
IH 990 mower conditioner, $2,300
JD 45 4F plow $650
IH 234 Corn picker like new condition
IH 8 flail chopper

DOMBACH EQUIPMENT
McAlisterville, Pa.
717-463-2191

SPERRY NEW HOLLAND

SERVICE & REPAIRS
For Allis Chalmers, New Holland, Starline, VanDale, and other farm equipment.

N.H. NEW EQUIPMENT
718, 892 & 1895 SP Fg. Harv.
478, 489 & 1495 SP Haybines
14, 230 & 234 Wagons
#8 Forage Boxes
Balers
L35 & L325 Skid Loaders
519, 679, 791 Flatbed Spreaders
362 & 363 Tank Spreader

OTHER NEW EQUIP.
(2) Starline Tank Spreaders
Big Round Bale Carriers

N.H. USED EQUIPMENT
770E 1 R Snapper Hd.
461, 479 Haybines
880 Fg. Harv., 2R & 3R
717 Fg. Harv. w/2R Hd.
Flail Att. for Baler

MISC. USED EQUIP.
Hesston Fg. Harv. w/hay & cornheads
Ford 352 4R Corn Planter w/fert. & Insecticide
JD 494A 4R Corn Planter w/Fert. & Insect.
IHC Hay Tedder
MF 130 bu. Spreader
AC Hopper Blower

Also Dealer For
Pequea Tedders & Saws
Zimmerman Elevators

ROYA. BRUBAKER SALES • SERVICE
Phone:
717-626-7766 or 626-1859
700 Woodcrest Avenue
RD 3, Lititz, PA

AUTHORIZED
SPERRY NEW HOLLAND
PARTS and SERVICE

FARM EQUIPMENT

JOHN DEERE

JD 4430 w/roll guard
JD 4020, WFE
JD 4020, NFE Tractor
JD 4020 P.S., WFE
JD 4010 Tractor
JD 2510 Tractor
JD 2010 Tractor
JD 2010 w/loader
JD 1020 Tractor
NI Manure Spreader
JD 54 Manure Spreader
JD 950 Roller Harrow
JD 1600 Pull Type Chisel Plow
JD 237 Corn picker
JD 1240 Corn Planter
JD 1240 Corn Planter
AC 6R no-til Corn planter
JD 494A Corn planter
JD 3800 Chopper w/2 row corn hd
JD 3800 Chopper w/2 row corn hd
Gleaner C Combine w/13' platform & 4RN Corn Head
JD 105 Combine w/platform & 635 corn head
JD 34 Chopper w/corn head
JD 635 Corn Head
JD 336 Baler w/ejector
JD 224 Baler w/thrower
JD 214 Baler w/thrower
JD 24T Baler w/thrower
JD 227 Corn Picker
Brady Stalk Shredder
Brady 1440 Shredder, like new

ENFIELD EQUIPMENT INC.
Whiteford, MD 21160
Ph: 301-452-5252

Ford Tractors • Equipment

NEW TRACTORS
Ford 1300 4 wheel drive
Ford 1500 4 wheel drive
Ford 1600 2 & 4 wd
Ford 3600 many extras
Ford 4100 many extras
Ford 4600 factory Cab
Ford Demo 6700 Rops
Ford 8700 factory cab

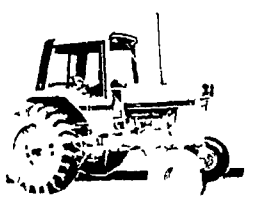
USED TRACTORS
9N Ford with loader
M Farmall, good tires
400 Farmall, good tires
C3 Oliver crawler ldr.
8000 Ford, new tires
8600 Ford, dual power, overhauled engine, new tires
5600 Ford tractor w/ cab, air, like new
Kubota 185 D4 wd 75 hrs., like new
Kubota model 175, 2 wd turf tires, w/woods under mounted mower

NEW & USED EQUIPMENT
New Brady Chopper Model 722
New Woods Rotary cutters
New Athens Ford, Ferguson Chisel Plows
New NI manure sp w/ ground drive
New Speedy corn crib
Complete line of new & used IH Cub Cadet & Kubota tractors & equipment.

STRALEY FARM SUPPLY, INC.
1760 East Canal Rd.
Dover, PA 17315
717-292-2631
717-292-4443

FARM EQUIPMENT

For Sale - Gehl 120 feed grinder, 21" Mill, excellent condition $3500, Lycoming Co. 717-547-6984.



USED EQUIPMENT
Farmall Super MTA
Farmall (SOLD)
Farmall 966 w/ROPS
Farmall 886
Farmall 806 diesel
Farmall 666 gas
Farmall 656 gas
Farmall 460 gas
Farmall 100
240 utility
IH 656 hydro w/cab & heater

NEW TRACTORS
IH 384 diesel
IH 484 diesel
IH 584 diesel row crop
IH 684 diesel
IH 784 diesel
IH 784 diesel row crop
IH 3588 2+2
Farmall 986
Farmall 1086

USED PLOWS
IH 710, 6 btm. auto. reset, like new

WM. HOBENSACK'S SONS
1060 Greeley Ave.
Ivyland, PA
215-675-1610
215-343-2101

NEW TRACTORS
3588 2 + 2
Farmall 1086 w/20 8-38 tires
Farmall 686 diesel
IH 584 diesel utility w/2250 loader
IH 484 diesel w/2200 loader
IH 384 diesel
2 Farmall Cubs
4 Cub 184 Lowboys

WAIVER OF FINANCE ON NEW TRACTORS

USED TRACTORS
IH 460
Farmall A w/cultivator

NEW EQUIPMENT
510 plow 5-18"
450 plow, auto 3-16"
420 plows, 2 & 3 bottom - 16"
55 Chisel plow, 3 rk, 7'
350 disc harrow, 11'6"
2 401 spring tooth harrows, 12'
IH 530, 540 & 550 manure spreaders in stock
IH 990 mower conditioner, 9', **SPECIAL PRICE**
IH 435 baler - **SPECIAL PRICE**
Meyers snowplows for Chevrolet & Ford pickup trucks

USED EQUIPMENT
IH 440 baler
IH 510 plow, 4-16"
IH 13x7 grain drill
Pittsburgh 10' spring tooth harrow

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

Ford Tractors Equipment

SPERRY NEW HOLLAND

TRACTORS
John Deere B
IHC 460 Gas
Oliver 770 Gas
Ford 8000
Ford 9000
9N Ford w/Loader
Ford 8N
Farmall M

EQUIPMENT
Landal 12' Chisel Plow, (Demo)
Case 1160 Combine w/4-row wide corn head
NH 33 Crop Chopper
NH 36 Crop Chopper

CHARLES S. SNYDER INC.
RD 3 Tamaqua, PA 18252
Phone: 717-386-5945

USED EQUIPMENT

TRACTORS
- Int 1456 4-Wh Drive
- Case 930 Tractor "CK"
- 830 Case
- Case 430
- JD 420 with Cultivator
- White 2-135 Tractor, 150 Hours
- Leyland 254 with Loader, 800 hours

LOADERS
- Case 1737 Skid Loader
- Case 1740 UniLoader
- Case 1816 Uni-Loader

TILLAGE
- Case Disc Harrow
- JD Disc Harrow
- JD 4-Bot Plow
- Case 2 Bot Plow
- MF 5-Bot Plow, Semi
- Oliver 2 Bot Trailer Plows
- Used Cultipacker
- Dunham 10' Cultimulcher

HARVESTING EQUIPMENT
- NI 323 1 Row Picker
- Fox 2-Row Harvester
- NI Unisystem - 702 Tractor, 710 Combine & 760 Harvester
- NI 767 Uni-Super Chopper
- Oliver 430 Combine
- JD No 25 Harvester
- Case 300 Harvester
- Case V-12 Shredder
- Hesston 2000 100 Harvester
- NI Forage Blower
- JD Self Unloading Wagon
- MC Chopper
- JD Chopper

HAY EQUIPMENT
- Case 650 Self Propelled Windrower
- Hesston PT 10
- New Idea Trailer Mower

MISCELLANEOUS
- Ford 4-Row Corn Planter
- JD 2-Row Planter
- JD 494 Corn Planter 4-row
- 10 Used Spreaders
- 300 Gal Husky Tank Spreader
- NI 224 10-ton Spreader

NEW IDEA FARM EQUIPMENT

SPECIAL BULK ANTI-FREEZE $3.85 Gal.

Kasten Self Unloading Wagon...New Special!

case

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

FARM EQUIPMENT

SPECIAL OF THE MONTH
NEW 4586 INT
4 WH DRIVE
24 5x32 Duals,
Old Price, Waiver
Til 3/1/80
Plus..
FREE SCOUT
(Offer Ends Jan 31)

Available At Last Year's Price .
IH 1086 RED POWER
w/24 5 x 32 tires
IH 3588 with
18 5 x 38 Radials

USED EQUIPMENT

TRACTORS:
AC 7060, Loaded - 350 Hours, $25,000
JD Cyclo A Tractor
JD 2640
Int. 86 Hydro-Demo.
IH 826 Hydro, Diesel
IH 230
IH 350 D, $1,000
IH 400 Gas
IH 504 Gas, Fast Hitch
IH 544 Hydro, Gas
IH 560 Gas
IH 560 Gas Standard
Oliver 60
Oliver 66
Oliver 70
Farmall A with Cultivators & Equipment
Farmall Cub with Belly Mower
Farmall M
VAC Case w/Blade $900

TILLAGE EQUIPMENT.
IH 475 11'6 Disc Harrow, Like New
IH 48 13'5" Disc Harrow
IH 35 11'6 Disc Harrow
Bush Hog 18' Folding Disc Harrow
Pittsburg 12' Disc Harrow
IH 55 13' Trailing Chisel Plow
IH 55 11' 2 Rank Chisel Plow
IH 350 Vibra tine Harrow
IH 3 Bot. Fast Hitch Plow
Brillion 15' Single Roll Packer

MISCELLANEOUS:
IH 540 Spreader with Hydraulic End Gate - Real Nice!
NH 510 Spreader
NH 512 Spreader, Real Nice
NH Tank Spreader, Left Hand
IH 130, 175, 155 and 570 Spreaders
IH MF 15x7 Grain Drills, SD, Combination
JD 15x7 Grain Drill, DD, Combination
(2)JD 15x7 Grain Drills, SD, Combination
NI 12' Lime Spreader
JD C380 Fertilizer Spreader, 3 pt.
Herd 3 pt. Fertilizer Spreader
2001 Loader for IH 424

WAIVER AVAILABLE TIL SEPT. 1, 1980 ON USED COMBINES
- IH 403 with 4 row wide corn head & 13' platform
- (2) IH 315 with cornhead & grain platform
- (2) Int 205 with 2 Row Head & Platform
- MH 510 Diesel with 4 Row Head & 12' Platform

ERB & HENRY EQUIP., INC.
New Berlinville, PA 19545
Ph: (215) 367-2169
Daily 7 to 5:30,
Fri. till 9
Sat. till 4

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

UNICORN FARM SERVICE

JAMES E. LANDIS
Formerly Landis & Esbenshade

PATZ SALES & SERVICE
TERRE HILL SILOS
QUARRYVILLE, R.D.#2, 17566
CALL 786-4158

MANUFACTURERS OF FARM MATERIAL HANDLING EQUIPMENT

GUTTER CLEANERS
MANURE STACKERS
MANURE PUMPS
MANURE SPREADERS
LIQUID-VATORS
SILO UNLOADERS
CATTLE FEEDERS
MATERIAL MOVERS
CONVEYORS

John Deere design, dependability, and dealers make the difference

JOHN DEERE

USED EQUIPMENT

TRACTORS

JD 4430 sound guard body, htr, air, quad range
730 JD diesel
630 JD gas
JD 3010 RC diesel
JD 50 w/cultivators
IHC 1256 Turbo dual remote, PTO wfe
IHC 460
Case 210 Ind w/hyd loader
IHC Super C

COMBINES

MF 300, gas, cab, 13' platform, 3-row 38"

SPREADERS

NI 218 single beater w/upper beater attachment

NEW EQUIPMENT

New Tractors
JD 1050
JD 950
JD 850

DISC HARROWS

JD KBA 28 regular
JD KBA 28 transport
JD 7802 offset 20 blade

USED NEW IDEA UNI EQUIPMENT

705 Diesel power unit w/710 combine & 13' head
702 gas V6 power unit with 727 husking unit & 725 3RN head

NEW SPREADERS

NI 213 - 165 bu
NI 214 - 205 bu
NI 244 - 318 bu tandem axle
NI 245 - 365 bu tandem axle
All with single beaters & upper beater attach w/hydraulic endgate attachments available
JD model 34 - 150 bu
JD model 54 - 230 bu
JD model 660 - 300 bu tandem axle
JD model 680 - 400 bu tandem axle
All with single beaters & upper beater attach w/hydraulic endgate attachments available

LANDIS BROS., INC.

1305 Manheim Pike
Lancaster, PA 17601
717-291-1046

BALDOR ELECTRIC MOTORS

Warehouse and Factory Service
For Service Call 717-354-5566.
BALDWIN ELECTRIC MOTOR DIVISION, INC.
Box 232
Honey Brook, PA

JOHN DEERE *Nothing runs like a Deere*

THIS WEEK'S SPECIAL

NEW AND USED BOBCAT SKID LOADERS

USED FARM EQUIPMENT

JD 4230
JD 4020
JD 2520, 1970
JD 3020, 1968
JD 530
Oliver 770
NH 770 Fg. Harvester w/3 hds. Inc. 1R Snapper head.
JD 16A Flail Chopper
JD 24T Baler
JD 24T Baler w/30 ejector
JD 336 Baler
Hesston 500 SP Mower Conditioner
Hesston PT10 Mower Conditioner
Hesston 30 Stack Wagon
16' Lever Harrow
IH 12' Disc
JD KBA 8' Disc
15 HP 3 phase elec. Motor
JD FB drill
JD 246 Corn Planter
JD 1440 Corn Planter
(2) JD 494A Corn Planters
Bobcat 520, & 722 Skid Steer Loaders
JD 340 Snowmobile

NEW FARM EQUIPMENT

JD 4440 w/QR, SG
JD 2440 Tractor
JD 2040 Tractor
JD 1050 Tractor
JD 950 Tractor
JD 850 Tractor
JD 1209 Mower Conditioner
NH 38 Flail Chopper
JD 1600 Chisel Plow
NH 707, & 718 Fg. Harvs.
NH 892 Fg. Harvester w/Metal Detector
JD 3940 Fg. Harvester
NH 1-R Snapper Head
JD 336 & 346 Balers
NH 310, 315 & 320 Balers
NH 478, 488 & 489, Haybines
JD Rotary Hoe
Bobcat Skid Steer Loaders 530, 632, & 722
NH L-425 & 445D Skid Loaders
JD 125 Diesel Skid Loader
JD Manure Spreaders 40, & 680
Glencoe Soil Savers
EZ Trail Wagons
EZ Flow Forage Boxes
Martin Manure Spreader

FREE FINANCE On JD Tractors, Hay and Forage Equipment, also NH Hay and Forage Equipment.

CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8
Chambersburg, PA 17201 Phone:
717-263-4103

bobcat NEW HOLLAND

WHITE TRACTORS
2-155 w/front wheel drive
2-135 Demo
2-105
2-85
2-50

NEW WHITE 5400 Air Corn Planters 25% OFF

NEW EQUIPMENT
NI 709 Uni System w/Super Chopper, SPECIAL PRICE

USED TRACTORS
Oliver 1850
Cub Low-Boy 154

IH 915 COMBINE 4R Corn & 15' Grain Heads

USED HARVESTERS
Fox MAX I w/3-row head
Fox SPF Super D
Fox SPF Gas
Fox 3000
Fox 2000
Fox Custom 90
Fox IF 546
14' Brady Shredder-Windrower
8"55' Auger
NH 1469 SP Windrower
NI 323 picker
NI 324 2R Picker
NI 325 2R Picker
NI 10 corn picker
NI 710 Combine
NI 711 Head
NI 713 Head
Glencoe SS9 Soil Saver
10' Oliver Disc
NI 729 Sheller
NI 730 4-Row Head
Lely V8 Double Wheel Rake
JD 18' Wing Disc
Oliver 252 Wing Disc 16'
Hesston 4500 Baler
Hesston PT7 Haybine
Hesston PT10 Haybine
Hillsboro 30' Gooseneck Trailer

STOLTZFUS FARM SERVICE

Cochranville, Pa.
215-593-2407

AUTHORIZED
SPERRY NEW HOLLAND
PARTS and SERVICE

NH Model 368 Hydraulic Flail Tank Spreader
NH Model 518 Spreader w/2 beaters

Paul Shover's Inc.
Loysville, PA
717-789-3117

DEUTZ

(1) D1006 Deutz, new 105 HP $17,225
(1) D13006 Deutz, new 130 HP $19,050. Less Settlement Allowance.

6006 Deutz	$6500
D-9006 Deutz	$7500
MF 285 831 hrs.	$9575
6000 Ford	$3500
180 Papec B.U. Demo	$5000
W-6 IH Gas	$975

Fox 1 row custom 90 Electric Sharpener $1850.
New Model Deutz F1L-511, one cylinder. 13 HP @ 2000 RPM. Elec. or Hand Starting.
Custom-built diesel Gen-Sets made to order.
New & Used Deutz diesel engines at special prices. Call for details
1 New Deutz F1L-210 diesels. 1500-3000 RPM, 8-14 h.p. with electric start & fuel tank $975.
1 New 7.5 KW Deutz diesel powered generator set, on skid base w/fuel tank. Electric start. $2500.00.
New Deutz F2L-912 diesel engines 20-32 H.P. electric start.
Deutz Oil Pan Heaters (Fits Tractors & Engines) $22.75

Stauffer Diesel Inc.
312 W. Main St.
New Holland, PA
717-354-4181

BRICKERVILLE EQUIPMENT

Lester Boll, Prop.
RD 1 Lititz, Pa., ½ mile East of Brickerville on Rt. 322 717-626-6198

BUY "BETTER-BILT" EQUIPMENT WHY? IT'S "BILT-BETTER

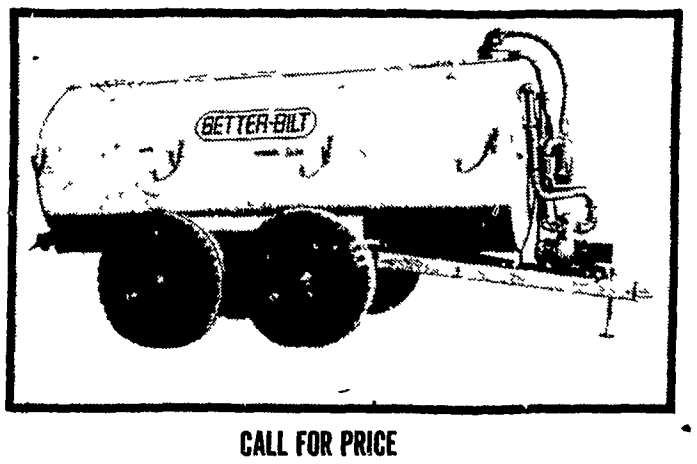
NEW SPREADERS IN STOCK

800's THRU 3100's

1 Used 2100 TANDEM VACUUM UNIT Like New

3150 BETTER BILT AUGER—MATIC SKID MOUNT for truck, Call for Special Price

NEW HOG SLATS
24" x 96", 7" Top
24" x 120", 7" Top



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- LAGOON PUMPS
- HIGH PRESSURE PUMPS

We believe in being competitive.
Call and give us a try.
★ SALES ★ SERVICE ★ PARTS
Edwin N. Kurtz, RD 1 Ephrata, 717-733-8193, Better-Bilt Distributor

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division of cego, inc.

SEE US AT THE PA. FARM SHOW
CHORE BOY BOOTH - 485-487

Sult's Refrigeration Service

Off Rt. 340, 1 mile East of Intercourse on Hatville Rd.
RD 1 Gordonville, PA 17529

★ 24 HOUR SERVICE
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FARM EQUIPMENT

NEW COMBINES
Buy New MF 550 at less than dealer invoice
CALL FOR QUOTES

USED COMBINES
Oliver 525 w/3 row and 13' grain head
JD 45 w/2R & 11' grain head

TRACTORS
Oliver 1750, 550G, 77G
Ford 6000 for parts
JD A
Farmall H

GRINDER-MIXERS
NH 354
Gehl 65MX

SKID STEER LOADERS
Mustang 345, 440,330
Ford CL-30
Case 1816B

(New)
New Holland
L-325
Skid Steer
Loader
$6,995.
(1 only)

SHEETS BROS.
Massey Ferguson
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

FARM EQUIPMENT

SPERRY NEW HOLLAND

USED EQUIPMENT
Hesston PT10 Haybine
Gehl Mower Conditioner
NH 770 Harvester w/2-row head & pickup
NH 717 Harvester w/PU & Corn Head
NH Elevators
NH 790 Manure Spreader
Gehl Grinder Mixer

USED TRACTORS
Ford 5000 Diesel
Ford Jubilee
AC XT 190 Series III
Used Lawn & Garden Tractors w/mowers

NEW EQUIPMENT
AC 2600 16' Disc
Bale King Hay Wagons
NH L-35 Skid Loader
Hub Tool Elevators formerly N.H.
Moridge 400 bu. Dryer

NEW HOLLAND MANURE SPREADERS

NEW TRACTORS
AC 7045
AC 5050
AC 7020

BHM FARM EQUIPMENT INC.
RD1, Annville, PA
717-867-2211

FARM EQUIPMENT

NEW EQUIPMENT
WHITE - 2-105 Tractor w/cab
2-155 Tractor w/cab
2-85 Tractor
2-35 Tractor
2-30 Tractor

GEHL-
No. 100 Grinder Mixer
4300 Skid Loader
2600 Skid Loader

NEW IDEA-
279 Cutditioner
299 Mowditioner
323 Corn Picker

KAWANEE-
46 ft. 8" Auger Elevator

USED EQUIPMENT
3 used NI Spreaders
Oliver 565 4-Bot. Cushion Trip
Oliver 88 Tractor w/ mtd. NI #305 picker, w/12 roll husking bed
Oliver 3242 Mtd. 3-Bot. 14" Plow
MF 4-Bot. Plow
Sun Master 5' 3 pt. Hitch Rotary Mower
McCormick 1PR Picker
Farmall 560 Gas Tractor with Belt Pulley and TA

MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
215-845-2911

Ford Tractors Equipment — HESSTON CORPORATION — WHITE Farm Equipment — NEW IDEA

USED TRACTORS
Ford 4600 diesel
Ford 3000 diesel
Ford 6000 diesel
MF 65 diesel
MF 165 diesel
MF 235 diesel
Oliver 1655 diesel
IH 128 cub cadet with mower

USED COMBINES
White 8800 diesel hydro, 6 row corn & 15 ft grain, (1977)
White 8600 diesel hydro (300 hrs) (1978)
Oliver 7300 4 row corn, 13 ft grain
MM 5297 4 row corn, 14 ft. grain
Ford 642 4 row corn, 13 ft grain
JD 55 3 row corn head
MF 72 12 ft grain, 2 row corn

USED TILLAGE
MF 720 disc harrow 12 ft
Ford 224 disc harrow 10 ft
Oliver 265 disc harrow 11 ft. 7 in

USED PLOWS
White 508 4-16 auto reset
Used Hesston PT10 windrower

STANLEY'S FARM SERVICE
Rd Box 46
Klingerstown, PA
717-648-2088

SPERRY NEW HOLLAND — GEHL, BUSH HOG — case

NEVIN N. MYER & SONS, INC.
RD1, Chester Springs, Pa.

NEW HOLLAND FREE FINANCE PROGRAMS
New and used Hay Equipment Interest free till May 1, 1980.
New and used Forage Equipment interest free till May 1, 1980 with hay pickup and August 1, 1980 with corn head.

CASE FREE FINANCE ON TRACTORS Until MARCH 1, 1980

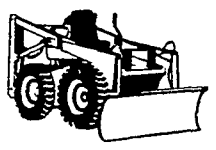
FINAL CLEARANCE ON 1979 TRACTORS AND EQUIPMENT
(1) 885 Tractor
(1) 995 Tractor
(2) 1805 3 pt. Chisel Plows 5', 7' or 9' Shank
(2) 1800 3 pt. Chisel Plows 10', 12' or 14' Shank

VICON FERTILIZER SPREADERS IN STOCK
Models PS400, PS500, PS600 and PS1001 Trailer

SPECIAL PRICES TO SELL
Bark Buster 3 pt. hitch Log Splitter $375.00
Gehl BU 920 Forage Box 2/6' sides, 3 btr., roof, mtd. on G1006 running gear $4,995.00
"Special"-MF 100 bu. ground drive manure spreader $650.00 (Like New)

USED EQUIPMENT
Case 630 Dsl. Tractor w/ft. mtd. cultivators
Oliver 88 Gas Tractor
8N Ford Tractor
Gehl BU 710 Forage Box
NH 346 Tank Spreader

Call Ken Myer
215-827-7414



SCHAEFFERSTOWN EQUIPMENT CO.

SCHAEFFERSTOWN, PA

½ Mile N. of Schaefferstown on Rt. 419
Phone 717-949-6529
Ask for Lee, Gene or Ralph

HOURS: Mon. thru Fri.
7:30 A.M. to 5:30 P.M.
Sat. 7:30 to 12:00 Noon
Evenings by appointment only

CRAWLER LOADERS

AC HD 7G B w/cab & ripper; sharp!	$16,500
955H 60A Peddle Steer	$16,500
(2) JD 450B one w/4-way bucket ea.	$16,500
JD 450	$12,500
(2) IH 175B 1 w/cab ea.	$12,500
Cat 955 60A w/cab	$10,500
Cat 955 60A	$10,000
TD6, 4-in-1 bucket, excellent cond.	$8,750
JD 2010 w/backhoe	$8,500
JD 350	$8,500
AC HD 6-G	$8,000
Case 750	$7,500
JD 2010 Dsl.	$7,000
Cat 955H 12A	$6,500
IH T340 Dsl. 4-in1 Bucket w/ripper	$6,000
AC HD5	$4,500

CRAWLER DOZERS

JD 450B, 1971, 6-way angle	$12,500
Cat D8, 2U, Hyd.	$9500
Cat D6, hyd	$9500
JD 450 Angle overhauled	$9500
JD 350 6-way angle	$8500
Cat D6, hyd.	$6500
Case 310 G 6-way angle	$5500
IH TD 14, hyd.	$3500

BACKHOE LOADERS

(2) Case 580B 1973 to 1975 w/cab and heater sharp!	$13,500 to $18,700.
JD 310 Backhoe Ldr. w/ROPS	$12,500
Case 580 Dsl.	$9500
Cabot	$8500
(2) Case 580CK Dsl. ea.	$7500
IH 3414	$7000

TRUCKS

1977 Chevy Silverado, AC, PS, PB, EW	$5000
1975 Dodge, 4x4 w/snowplow	$4800
1975 Chevy Blazer 4x4	$4800
1965 Dodge Dsl. Flat Bed	$3850
1964 Int. Dump	$3850
1965 Chevy Dump, C-60, good cond	$3500
1965 Ford Pickup	$650

TRAILERS

1979 CMI Folding Hydr Gooseneck	$30,000

PAVERS

Layton M 500	$3250
Layton	$2000

AIR COMPRESSORS

Schramm 125	$2500
Jager 125	$1650
Worthington 185	$1000

TRACTORS

IH 424 3 pt. w/Ind. Ldr. good cond.	$5000
JD 1010 Dsl. w/Ind. Ldr., 3 pt. overhauled	$4500
MF 35 Dsl. 3 pt.	$3500

GRADERS

Galion 503 Gas w/cab, clean	$8500
Huber Wargo w/Cab	$6500
Huber Maintainer	$2000

RUBBER TIRED PAY LOADERS

AC TL 16 Gas	$7500

SKID STEER LOADERS

Case 1534 Gas w/Cab	$5000

ROLLERS

Galion Tandem, 10 ton, good condition	$3500
2 to 5 ton Roller	$2950
Kenroll 1½ ton	$2850
Huber 10 ton 3 wheel 1966	$2200
(2) 1 Ton Roller ea.	$1500

CARS

1972 Cadillac Eldorado	$3500
1975 Plymouth Fury, AC, AM-FM Stereo, PW	$3000
1972 Cadillac Eldorado, AC, PW, AM-FM	$3000
1972 GMC	$1900
1967 Olds Toranado, AC, AM-FM Stereo, PW	$1200

MOTORCYCLES

1976 Harley Davidson motorcycle, 74 series	$3800

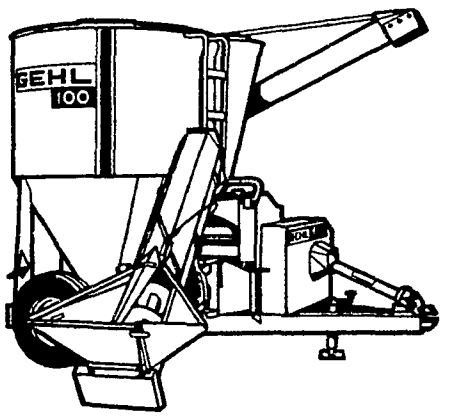
MISCELLANEOUS

Heavy Duty Dump Box	$800
JD 640 Hay Rake	$800
Ford Hay Rake, 3 pt	$600

WE BUY USED EQUIPMENT

BANK FINANCING

SEE THE NEW HYDRAULIC MIX-ALLS® AT THE PA. FARM SHOW AT THE GEHL EXHIBIT



GEHL®
FARM EQUIPMENT

Now Mix-Alls® are even better! New hydraulic design means less maintenance, easier operation. The 100-bushel Mix-All unloads in just 3½ minutes. Power bale feeding on the 135-bushel model handles 4½ bales a minute! And the hydraulic discharge conveyor with extensions reaches tanks up to 18' high. See these hydraulic Mix-Alls now!

ATTENTION FARMERS
You can have all the features of a Gehl hydraulic mill for the price of a competitive brand mechanical mill ...
THAT'S VALUE!!

We have good reconditioned Grinder-Mixers on hand also.

USED EQUIPMENT

TRACTORS
Case 730 D
Case 970 Cab
Case 1030
Case 1070 Cab - Air
Case 1370 Cab-Air-Duals
J.D. A
J.D. MT
M.F. 2135 Turf

NEW IDEA EQUIP.
Manure Spreaders 212, 213, 214
325/314 picker sheller
314 sheller
#10 picker
310 picker
323 pickers
319 mounted
270 cut-ditioner
404 wheel rake

UNI-SYSTEMS
702 G Power Unit
- 727 Bed
- 725 Head
702 G w/combine
760 Harvester
Assorted Heads
767 Harvester
768 3R - W/N
710 Combine
763 3R Row Crop

FORAGE EQUIP.
Gehl CB 600 Harvester
AC 782 Harvester
AC Flail Chopper
J.D. Flail Chopper
J.D. 65 Blower
Grove Box

MISC. EQUIP.
Case 600 Combine
Case 1530B Uniloader
Hesston PT-10 mow-ditioner
Case 2 row planter
Brillion cultipacker
M.H. grain drill
Oliver #13 grain drill
Gehl 95 grinder-mixer
OMC 117 grinder-mixer
Wetmore 878 grinder-mixer
N.H. 352 G. Mixer
J.D. #48 loader
Oliver 5 or 6 btm. plow
N.H. 354 grinder-mixer
IH 12' disk
Truimph hyd. mower
J.D. Trail plow
Pittsburgh 12' disk

SALES & SERVICE

A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA.

Phone: 717-786-3521
After 5 P.M. Call Dave Trout, 717-786-2920

case — GEHL Gets into your system — NEW IDEA

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

CFH

Bolens · JOHN DEERE · GRAVELY · YAN-MAR · LAWN BOY · STIHL · WOODS

USED EQUIPMENT

Tractors

JD 3020D, Power Shift, WF
JD 3020D, Synchro, NF
JD 3010D, WF

Combines

JD 105, CS Hydro, 13' platform, 435W corn head, 634N corn head
JD 6600D, Hydro, 444 corn head, 215 rigid platform

Equipment

MF 12 Baler
5½' pickup for JD Harvester
1 Row Corn Head for JD Harvester
Gehl Forage Wagon
NI 218 Spreader
(2) JD 1300 Corn Planter
JD 694 Corn Planter
RM 630 Cultivator-6RN
RG4 Cultivator-4RW
JD 330 24' Harrow
JD 600 Snowmobile

CFH, INC.
East Main Street
Cecilton, Md. 21913
(301) 275-2195
648-5416
775-6608

USED EQUIPMENT

TRACTORS

IH 300 w/Loader
MF 35
Ford 8N w/Rototiller
(2) John Deere A's

TILLAGE EQUIPMENT

Oliver 5-14 Semi-mtd. Plow
AC 12' Transp. Dics
Oliver 12' Transp. Disc
JD AW 12' Transp. Disc

PLANTERS & DRILLS

(2) JD 494 Planters
(4) JD 494A Planters
JD 1240 Planter
JD FB 17-7B Drill
IH 10-16 Double Disc Drill

HAY TOOLS

IH 37 Baler w/thrower
AC 444 Baler w/thrower
JD 224T Baler w/thrower
NH 277 Baler w/thrower
NH 270 Baler w/thrower
NH 271 Baler w/hitch & chute
(3) NH 469 Mower Conditioners
(3) NH 479 Mower Conditioners
(2) Hesston PT10 Mower Conditioners
AC 390 Mower Conditioner
IH 990 Mower Conditioner

COMBINES

JD 6600 w/15' Rigid Platform
Oliver 545 w/13' Platform
AC G w/13' Flex-Platform
JD 30 Pull Type Combine
JD 244 Corn Head

FORAGE EQUIPMENT

NH 717 Harvester w/pickup
NH 717 Harvester w/1R Unit
JD 3800 Harvester w/2RN & Pickup
JD 35 w/1R Unit
Gehl 600 w/2R & Pickup
Gehl Snapper for 600
Gehl 72C Flail Harvester
NH Sickle Bar for 717
NH 1R Head for 880
Kasten Forage Wagon w/roof
NH 6 Forage Box

OTHER EQUIPMENT

JD 392 Fert. Spreader
Lamco 16' Feeder w/NH 230 Wagon
Walsh 300 gal. Sprayer
Century 200 gal. Sprayer
Century 200 gal. Sprayer 3 pt.
Girton 600 gal. Bulk Tank

FREE FINANCING ON SOME ITEMS

I. G. SALES
Silverdale, PA 18962 215-257-5135

JOHN DEERE

SPERRY NEW HOLLAND DeLAVAL JAMESWAY Quonset Buildings

NEW IDEA FARM EQUIPMENT

SINGLE & 2 ROW NEW IDEA CORN PICKERS IN STOCK AND READY FOR DELIVERY!

-ALSO-

NEW IDEA MANURE SPREADERS

NEW UNI-EQUIP. IN STOCK!
709 Uni-Tractor
767 Uni-Harvester
717 Combine with 713 Grainhead
768 Cornhead
774 Cornhead

USED EQUIPMENT:

F Gleaner with 13' Grain Head
MF No 8 Combine
MF 33 QT Cornhead
Gleaner 330 Cornhead
710 Uni-Combine with 13' grainhead
729 Uni-Sheller
726 Uni-Husker
Oliver 5 Bot 16" Hyd Reset Plow
Bearcat 11' Single Picker
MF No 15 Grinder Mixer
NI 324 2-row, 8-row bed
74H Oliver mtd picker

ALLIS CHALMERS

SHARTLESVILLE FARM SERVICE
RD1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

5600 Ford w/quick tach loader, 225 hrs. on unit. 1737 Case uni-loader. 1740 Case uni-loader, 8N Ford, Int. cub & Woods mower, Farmall M w/3 pt. hitch, 600 Ford, Ford 8000, MF 235 w/720 hrs., MF 3165 & loader, JD 2020 & loader, JD 2010 crawler loader, Ford 3500 & loader, Int. 444, Kubota L210, Hefty F, AC B & sickle bar mower, Farmall 140 & Woods mower, 800 Ford Backhoe, Woods model HD 315 bat wing mower, like new. New Woods 6 & 7' 3 pt. scraper blade.

Buy next years mower at this years price. We just received a new shipment of Woods mowers, all sizes & styles to choose from. All kinds of other equipment available to fit your need.

717-764-6412 or 764-5115
Ask for Blaine or Steve
YORK CO. FARM & INDUSTRIAL EQUIPMENT
Box 222
Emigsville, Pa. 17318

NEW EQUIPMENT

NI 324-327 2RW Corn Picker $8350
Offer good till Jan. 14, 1980

FARM SHOW SPECIALS

Gehl FC 7200 Flail Chopper $3495.
Brillion 21' Transp. Folding Wing Packer $3525.
Brillion 12½' Field Cultivator $1495.
NI 8" 41' Transp. Auger $1525.
Ber Vac 8' 3 pt. Snow Blower Up to 150 H.P. Rating $2,695.

Dauser 3 pt. LOG SPLITTERS

New Round Portable Bale Feeders

EFFECTIVE NOW Limited Time Only
$10.00 Rebate on new Fiberdome Calf Hutches

New 12', 13'4", 14' and 15' 4" Brillion Packers in stock
New Brillion 10' Alfalfa Speeders
New Glenco Soil Finishers
New Arps 7' & 8' 3 pt. Scraper Blades
New NI Model 456 Round Baler

In Stock
Model S120, S140, S200 Recoil and S200 Electric Start 5 H.P. 2 stage Toro Snow Blowers
Also in Stock
Toro Power Shovels

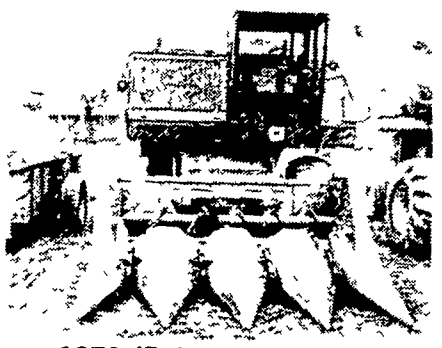
USED EQUIPMENT

AC 5040 Dsl. Tractor
7 tooth Graham Pull Type Chisel Plow
JD 5' Flail Chopper
NI Spreaders, prepared ready to go, new side chains, new paint, excellent condition, 214 - 3 btr. 206 bu. $1895; 214 - sgl. btr. 206 bu. $1950.
NI Model 224 10 ton spreader w/hyd. end gate & Gratz web
Used 90 bu. Ground Drive Manure Spreader
NH 513 177 bu. sg. btr. Spreader w/top btr. Very Good
JD #46 Manure Loader
(2) Hesston PT10 9' Windrowers
Hesston SP Model 320 Windrower
Hesston 1014 Hydro Swing 12' cut Windrower
NH 469 Windrower
NH Super 69 Baler, very good cond.
Little Giant 24' Skelton Bale Elevator Elevator
702 Gas Power Unit
735 3RN Corn Head
Mohawk 3 bar 3 pt. 9 tooth Chisel Plow
JD 4 section Rotary Hoe
(2) JD KBA 32 Blade Transport Disc
JD Heavy Duty 12' Transport Disc
Athens #84 Folding Wing Disc
NH 10' Fertilizer Spreader

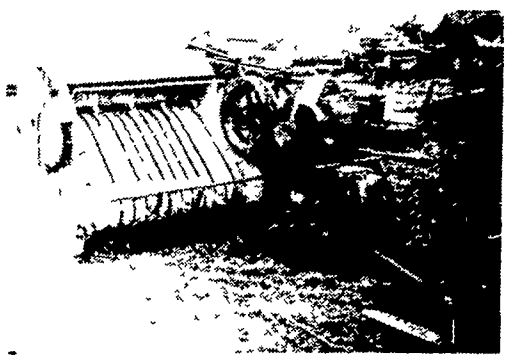
UMBERGER'S MILL
New Idea, Gehl, Hesston & Brillion Dealers.
RD4, Lebanon (Fontana)
Phone 717-867-5161 or 717-867-2613

Farm Show Specials....

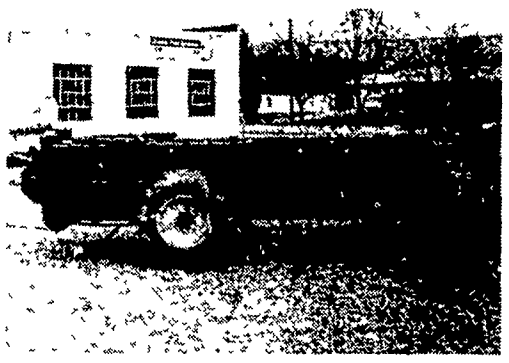
CALL DURING FARM SHOW WEEK AND MAKE A DEAL ON ANY OF THESE UNITS!



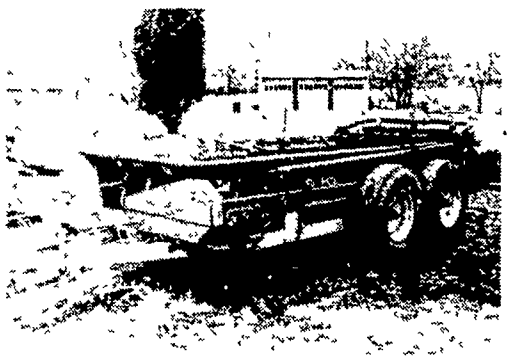
★ 1973 JD 6600 Gas Combine with 1400 Hrs., Excellent Condition!



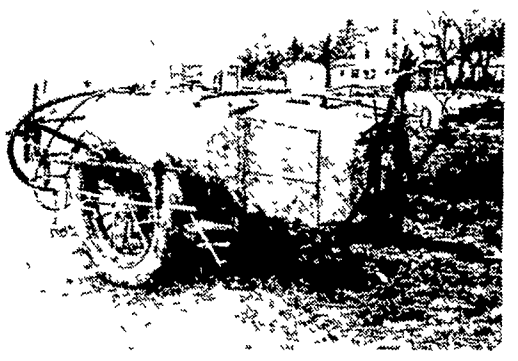
★ NH Super 77 Baler With Engine, Like New...A Real Cream Puff!



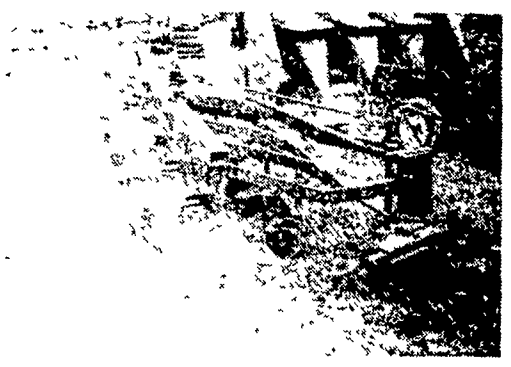
★ JD No. 54 Spreader, 230 Bushel with New Floor Chain & Fluid End Gate!



★ NH 676 Spreader, 280 Bushel with New Floor Chain & Fluid End Gate!



★ Hardie 400 Gal. Trailer Sprayer, 10 Row With Boom, Filler & Gun!



★ F145H 5 Base, 16" Semi Mounted Plow!

★ New JD 350 5 Bottom, 16" Hydraulic Reset Plow... Special at $2900!

Other Farm Show Week Specials . . .

★ New Dunham 12' Cultimulcher with 4 Wheels (Shop Worn) ...Special At $2800!

★ Leftover NH No. 30 Blower, Latest Model... Special At $1995!

Notice to Customers In Our Area...
JD FARMING FRONTIER DAY
FRIDAY, JANUARY 18
7:30 PM AT LYNNPORT FIRE HALL

KERMIT K. KISTLER, INC.

Rt. 143
Lynnport, PA 18061
215-298-3270

JOHN DEERE SPERRY NEW HOLLAND

FREY BROS. MFG.

QUARRYVILLE, PA PHONE (717) 786-2146

- Farm Gates
- Head Gates
- Calf Creep
- Steel Fence
- Free Stalls
- Loading Chutes (Slop Stops)
- Steel Buildings
- Automatic Wagon Hitch
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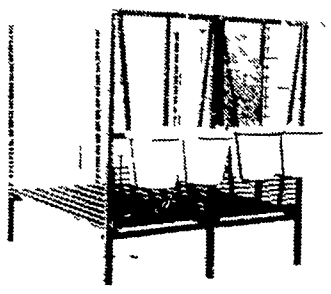
- Electric Gates
- Al Chutes
- Ear Tags
- Feed Bunks
- Hay Racks

WRITE FOR FREE CATALOGS

FARM SHOW SPECIAL



INVENTORY REDUCTION SALE

40% OFF

INDIVIDUAL CALF STALLS

SEE US AT BOOTHS 721-722 DURING THE PA. FARM SHOW

SHOW-EASE STALL CO.

573 Willow Rd., Lancaster, Pa.
Ph: 717-299-2536

VISIT OUR 1980 FARMING FRONTIERS: SEE NEW TRACTORS AND LEARN WHAT MECHANICAL FRONT-WHEEL DRIVE CAN DO

See on screen new John Deere Tractors with 33 to 80 hp With optional mechanical front-wheel drive for some models See 4-wheel-drive traction engaged on the go Many other features will also be shown Be sure to come!

JOHN DEERE FARMING FRONTIERS

TUES., JAN. 15
AT OUR STORE
10:00 A.M.
- Door Prizes
- Lunch At Noon

4 DAY PARTS SPECIAL
JAN. 15 to 18 . . .
10% OFF JD PARTS!

JOHN DEERE

SHOTZBERGER'S EQUIPMENT

ELM, PA. 717-665-2141

FARM EQUIPMENT

Lockwood Mark VI potato harvester. Paul D. Mast, 215-286-9510.

FARM EQUIPMENT

For Sale - 1750 D Oliver extra sharp, WF, 3 pt. 2500 original hours $7300 717-786-4899 eves.

FORRESTER BROS. FARMS

1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales & Service

Ford 9600	Int 1066, cab
Ford 8600	Int 656
Ford 7000	3 Int 574 1 w/cab
Ford 6700	Woods Cadet 72" mower
Ford 5095, 90 hp	4 JD 4020, 4w/cabs,
5 Ford 5000	JD 3120
Ford 5 BTM 101 plow	JD 2130
3 Ford 4000, 1 w/loader	7 JD 2120
Ford 4000 SU	3 JD 1120
2 Ford 3000	7 JD 2020
Ford 800	MF 1085

Dearborn Woodsaw & Pulley

Compare Prices
¼ Mile East of Exit 6 I-81

USED EQUIPMENT

NH 273 baler, super sweep & thrower	$3200
NH 269 baler	$1800
NH 269 baler w/thrower	$2400
IH grain drill, excellent	$850
MC rotary scythe, good	$1550
MC chopper	$550
NH 54A bale thrower	$450
IH 460 tractor	$1950
D-17 w/wide front, series IV	$3700
Farmall Super A w/plow	$1800
NH 56 rake	$900
NH 456 grass mower	$1050

NEW EQUIPMENT

Hesston Windrowers
MC rotary scythe & choppers
Pittsburg spring harrows
Farm Bilt wagons 6, 8 & 10 ton
Wisconsin engines from 6 to 65 h.p.
VM diesel engines from 14 to 150 h.p.

MILLER'S REPAIR

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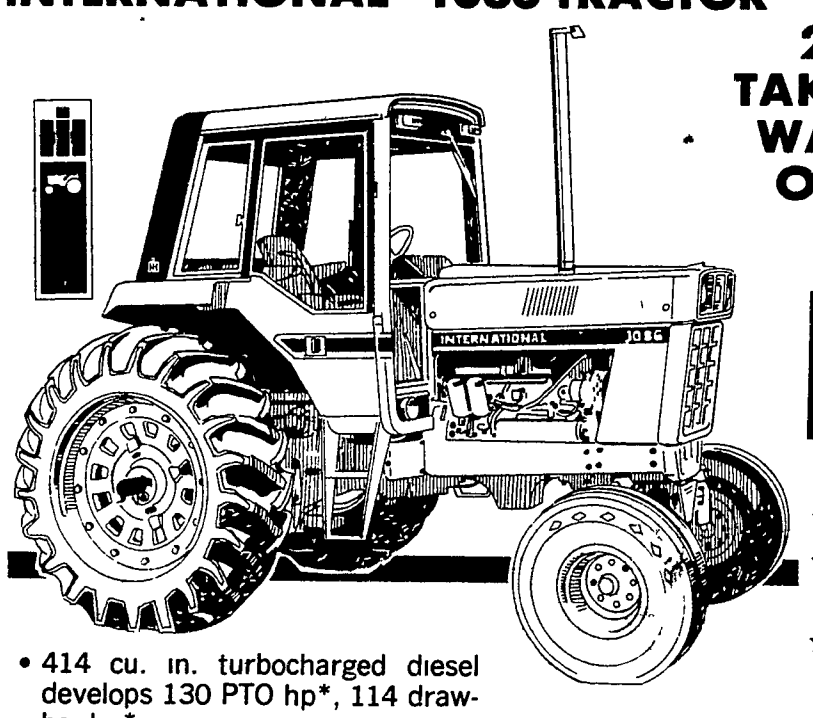
MESSICK FARM EQUIPMENT

INTERNATIONAL® 1086 TRACTOR



- 414 cu. in. turbocharged diesel develops 130 PTO hp*, 114 drawbar hp*.

22 DAYS LEFT TO TAKE ADVANTAGE OF WAIVER of FINANCE ON 86 & 84 SERIES TRACTORS

SPECIAL
1486 D
★ 660 Hrs ★ Excellent

- ★ MOST MODELS IN STOCK
- ★ CHECK OUR COMPETITIVE PRICES
- ★ FULL TWO YEAR WARRANTY

CAPACITY KING OF THE GRINDER—MIXERS:
N.H. MODEL 359
25 in. wide Hammer Mill, 150 Bu. Tank, 12 in. Loading Auger, Heavy Duty Frame, Optional: 20 ft. Unloading Auger and Electronic Scales

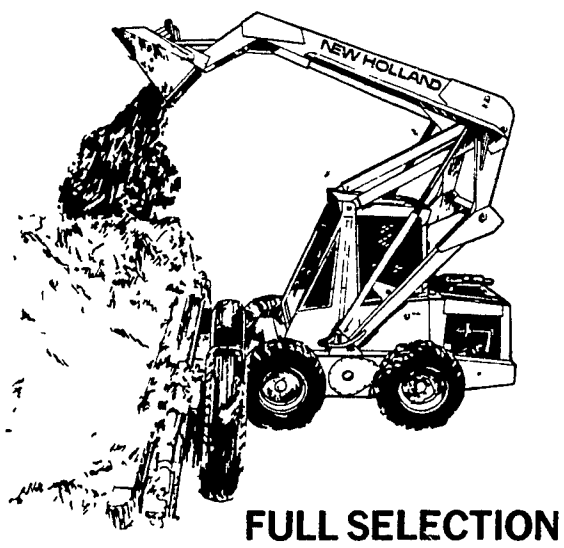
FOR THE FARMER WHO NEEDS MORE CAPACITY:
"THE STRONG BOX"
N.H. 800 SPREADER
510 Bu., 570 Cu. Feet. Optional Brakes, Hyd. Endgate and Fine Manure Pan.

USED EQUIPMENT

IH 1486 D Tractor	NH 513 Spreader
Bobcat 600 Skid Loader	NH 475 Spreader
NH 275 Baler w/Flail att.	NH 362 Tank Spreader
IH 37 Baler & Thrower	Brillion Cultipacker 10 & 12 ft.
IN 46 Baler	McConnell 16 Disc. Grain Drill
NH 278 Baler & Thrower	Oliver Disk
NH 479 Haybine	Oliver Grain Drill, 13 Disk
IH 1190 Mower Conditioner (used 1 year)	Hanson 200 gal. Sprayer 3 pt.
Hesston PT10	IH 700 6 bottom Plow
NH 1469 Haybine	NH 890 Forage Harvester with 2 row pickup attach., excellent
NH 56 Rake	NH 676 Tandem Axle Spreader, Hyd. Gate
IH 830 Harvester w/2 Heads	AC D15 Tractor, wide front & loader
NH Super 717 Harvester	NH 770 Harvester, 2 row narrow cornhead
IH 650 Harvester	
JD 66 Blower	
NH 510 Spreader	
NH 516 Spreader	
NH 675 Spreader	

★ YOUR FULL SERVICE DEALER
★ WAIVER OF FINANCE ON MOST EQUIPMENT

LABOR-SAVER ALL AROUND THE FARM



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MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT - RT. 283, ELIZABETHTOWN, PA
PHONE. 717-367-1319, 653-8867
M DALE HERR — HOME 665-2718 WARREN SPICKLER — HOME 653-4560

SPERRY NEW HOLLAND

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

For Sale - 2 bottom Oliver 12" & 14" radex plow, JD KBA 20 & 24 disc, NH 24 ft. elevator, NH Super 68 baler, good for corn fodder, 1 Brillion 8' packer seeder. 717-687-6553.

FARM EQUIPMENT

For Sale - 1973 500 Int. loader $7500. 700 Case, $6500. 310 Case, $5000. 9 ton tag-along, $2500. 6 ton tag-along, $1000. Int. dump truck, $2500. Russ Berg, Fleetwood, Pa. 215-944-9029.

FARM EQUIPMENT

For Sale - NH 1495 12' self-propelled haybine w/cab, like new. 3250 gal. Calumet liquid manure spreader & pump. 4 wheel mounted Lily hay rake, like new. Stump Acres 717-792-3216 York Co.

NEW IDEA · OMC · SUNFLOWER · LELY · Badger · ECHO · WALSH · FOX · BRADY

USED EQUIPMENT

IH 340 Tractor
IH 706D Tractor
IH 666D Tractor
IH H70D Tractor
IH 544H Tractor
IH 544D Tractor
IH 656D Tractor
IH 606D Tractor
IH 460D Tractor
IH 1256D Tractor
IH 1466D Tractor
IH 330 Utility Tractor
JD 1520 w/Loader

OMC 1700D Skid Steer Loader
IH 2 pt. hitch 4x14 Plow
IH 700 4x16 Plow
IH 350 Disc
Oliver 10' Wheel Disc
JD 16' Harrow
IH 370 Disc

Oliver 13x7 Drill
JD 15x7 Drill
Ontario 14x7 Drill
IH 249 Planter
MF Corn Planter
IH 440 Baler w/thrower
IH 46 Baler
NH 69 Baler w/thrower
OMC 217 Windrower
IH 225 SP Windrower
Case 555 Windrower
NI 290 Windrower
Brady 722 Flail Chopper
Gehl Flail Chopper
IH #8 Flail Chopper
Bearcat #72 Flail Chopper
NI 702 Tractor
NI 705 Tractor
NI 711 Platform
NI 713 Platform
NI 723 2R Head
NI 731 4R Corn Head
NI 762 2R Corn Head

NI 744 N & 744W Corn Heads
NI 710 Combine
NI 717 Combine
NI 760 Fg. Harvester
NI 729 A Sheller
IH Papec Grinder Mixer
NI 212 Spreader
NI 214 Spreder
NI 218 Spreader
NH 518 Spreader
NI 224 Spreader
Badger BN 960 Fg. Wagon
Coby 5000 Fg. Wagon
Gehl 910 Fg. Wagon
Grove Fg. Wagon
Lamco Fg. Wagon
IH 2000 Loader
Dunham Lear Loader like new
Mulky 28' Elevator
NH 30' Elevator

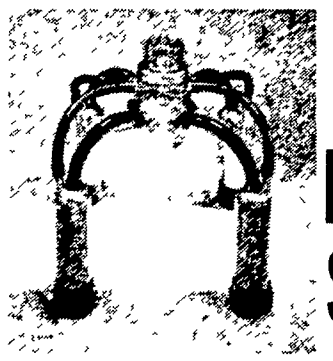
2% Cash Discount on All Parts

The Place to Buy New & Used Equipment

CHAMBERSBURG FARM SERVICE, INC.

975 S. Main St., Chambersburg, PA

Phone: 717-264-3533



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GIRTON Dairy Equipment — GIRTON MFG. CO.

GIRTON MILK TANKS

SEE US AT THE SCHLUETER EXHIBIT DURING THE PA. FARM SHOW

Booths 511, 512, 533, 534

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Used 400 Gal. Girton
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Address _____
City _____
State _____ Zip _____
Phone _____

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3141 Old Phila. Pike 717-768-3729 Bird-in-Hand, PA 17505

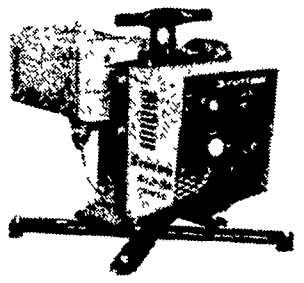
AUTHORIZED SERVICE CENTER

WISCONSIN · Ford Industrial Gas & Diesel Engines · ORIGINAL BRIGGS & STRATTON MADE IN MILWAUKEE WIS U.S.A. SERVICE PARTS

WISCONSIN HEAVY-DUTY ENGINES

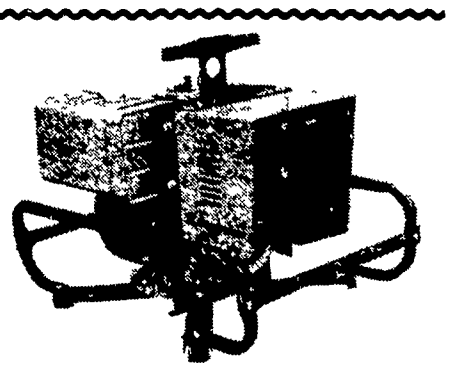
SCOTT — 135 Amp - 175 Amp 200 Amp

PORTABLE D.C. ARC WELDERS

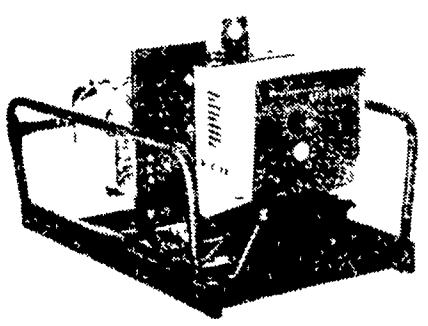


Specifications - Scott 135 Amp
Welding range . . . . . 35-135 Amps D.C.
Nominal Electrode Capacity. . . . . 1/8"
Current Control . . . Continuous Dial Control
Rated Output at 25 Arc Volts . . . . 135 Amps
Maximum Open Circuit Voltage . . . . 60 Volts
Dimensions . . . . . 20"x24"x21" High
Engine . . . . . 8 hp Briggs and Stratton 7-½ Wisconsin Robin
Total Weight . . . . . 85 pounds

Specifications - Scott 175 Amp
Welding range . . . . . 50-175 Amps D.C.
Nominal Electrode Capacity. . . . . 5/32"
Current Control . . . Continuous Dial Control
Rated Output at 27 Arc Volts . . . . 175 Amps
Maximum Open Circuit Voltage . . . . 70 Volts
Dimensions . . . . . 20"x24"x21" High
Engine . . . . . 11 hp Briggs and Stratton
Total Weight . . . . . 120 pounds



(Shown With Available Protekit 175)



Specifications - Scott 200 Amp
Welding range . . . . . 50-200 Amps D.C.
Nominal Electrode Capacity. . . . . 5/32"
Current Control . . . Continuous Dial Control
Rated Output at 28 Arc Volts . . . 200 Amps
Maximum Open Circuit Voltage . . . . 75 Volts
Dimensions . . . . . 26"x35"x19" High
Engine . . . . . 16 hp Briggs and Stratton
Total Weight . . . . . 200 pounds

(Shown With Electric Starter)

WHITE Farm Equipment · bobcat · SPERRY NEW HOLLAND

USED EQUIPMENT

TRACTORS
Oliver Super 88 Gas
Oliver Super 77 Diesel
IHC "H"
IHC 656
Farmall Cub with Mower

SPREADERS
NI 213 3-Beater
NI 214 with Hyd. End Gate
NH 518 with Hyd. End Gate

TILLAGE - PLANTING
Oliver 365 CT 3-16 Mtd. Plow
Oliver 312 3 pt. 2-Row Planter
White 5400 Planter
Brillion 10' 2-Row Cultipacker
IHC 56 Planter
JD 1240 4-Row Planter
White 543 4-Row No Till

COMBINES & CORN PICKERS
JD 227 Picker
Oliver No. 5 1-Row

HAYTOOLS
IHC 990 Mower Conditioner
JD 1209 Mower Conditioner
NH 461 Haybine
NH 469 Haybine
NH 479 Haybine
NH 1469 Self Propelled Haybine
NH 275 Baler w/Thrower

FORAGE TOOLS
NH No. 7 Forage Box
NH 770 2-Row & Pickup
NH 880 R2 2-Row Head
NH 717 Harvester w/1-Row
IHC 350 Harvester w/1-Row & Pickup
IHC 650 w/2-Row & Pickup

NEW EQUIPMENT IN STOCK

WHITE
2-30 4 Wheel Drive
2-35 Tractor
2-50 Tractor
2-60 Tractor
2-70 Tractor
2-85 Tractor
2-105 Tractor
2-135 Tractor

WHITE
543 4R Planter No Till
543 6R Planter No Till
5400 4R Planter No Till
5400 6R Planter No Till

WHITE
348 - CT & SAR Plow
508 SAR 4-B Plow

WHITE 251 10'4" disc
N.H. 310-315 Balers
N.H. 256 - 258 Rakes
N.H. 707, 718, 782, 890, 892 Harvester
N.H. 8 Forage Box
N.H. Spreaders - All Sizes
Vicon 3 pt. Fert. Spreader
Moridge 275 Bu. Grain Dryer

NEW MACHINERY SPECIALS

McConnel 12' Harrow	$575
Vicon PS 600	$ 810

White 260 Diesel Tractor	$9,995
White 251 10'4" Disc	$1,925
White 255 11'6" Disc	$2,595
New Holland 371 tank spreader, used tires, auto-fold down panel, hydraulic lid opener, 331 cu ft	$4,995

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- NO TRADE INS -

DUNHAM - BRILLION - LAMCO - BOBCAT -

NORMAN D. CLARK & SON

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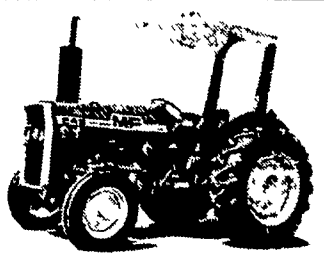
Located 14 Miles South Port Royal on Rt. 75

DISTRIBUTOR OF CENTRAL TRACTOR PARTS CO.

FARM EQUIPMENT

FARM EQUIPMENT

MF Massey Ferguson



NEW EQUIPMENT IN STOCK

MF 245 diesel tractor
MF 275 diesel tractor, 8 sp.
MF 205-4 tractor
MF 760 diesel combine hydro, 540V8
MF 550 diesel combine

USED EQUIPMENT

MF 245 gas tractor w/235 loader
Oliver 550 gas tractor
Ferguson TO 30 tractor
MF 285 tractor w/loader, 1 yr. old
MF 135 Gas tractor
2 MH 44 tractors
MF 85 tractor
MF 510 gas combine w/-quick attach.
1977 MF 300 combine
MH 80 combine, 2 row head, 12 ft. grain table
MF 410 diesel combine w/quick attach.
MF 760 combine w/63 corn head 15 ft. table, used 1 season.
NI 702 Uni System w/710 combine w/corn head & table

JANUARY SPECIAL

10% OFF ON PARTS & OIL

FULL LINE OF EQUIPMENT AVAILABLE

WE HAVE HUSQVARNA POWER SAWS 3 MODELS

ABRACZINSKA'S
Farm Equipment, Inc.

RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

FIELD QUEEN FORAGE HARVESTERS — WOODS Division of Hesston Corporation — HESSTON FARM EQUIPMENT

Field Queen
Side Dump
Now Standard Equip.
257 H.P Detroit

7650, 257 H.P. Detroit
& 7600, 210 H.P. Cat Engine
Both above units available w/4-wheel drive & 4 row corn head

- 6610 SP w/Perkins Diesel Power
- 4500 Baler
- 2000-150 PT Forage Harvester
- 1010 Hydro-Swing PT Windrow
- 1090 PT Mower-Conditioner

Interest Waiver til May 1980

FORAGE EQUIPMENT

NI 705 Uni Dsl. w/new 3R W/N Head, 767 Super Chopper.
Fox Max I, w/3 row corn head
1975 Field Queen Side Dump
1973 Field Queen Standard
1975 Field Queen Standard
1976 Field Queen Standard

FRANK WALTERS
717-392-7795
Res. 717-733-3665

JUST TRADED

HESSTON
110 SP windrower, exceptional cond., must see
HESSTON
1014 Hydro Swing
HESSTON
Hesston 2000 Pull Type hay Fg. Harv. w/2 Heads.

1972 Fox 425 w/2 heads Hesston Stak-Hand
Gehl CB 600 2-row corn head & hay hd.
2-JD 3800's w/heads
2-JD 38's w/heads
2-Badger Dual Wheel Wagons

SALE OR LEASING ON FIELD QUEENS AND HESSTON HAYING OR FORAGE EQUIPMENT CALL FOR DETAILS LARGEST RETAIL FORAGE HARVESTER OUTLET IN THE NORTH EAST UNITED STATES.

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Telephone 717-569-8756

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

USED FARM EQUIPMENT

270 NI Cut-Ditioner
5' NH Flail Chopper
213 NI Flail Manure Spreader
212 NI SB Manure Spreader
208 NI SB Manure Spreader
Satoh Bison 650 Trac., Mower, Blade & Canopy
1 - New 6' Gehl Flail Chopper (Reduced Price)

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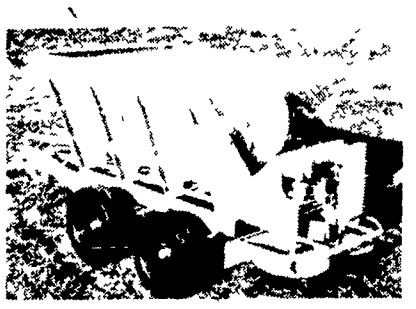

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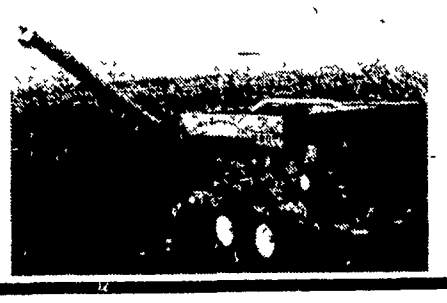

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ALLIS-CHALMERS

WE HAVE THE SPREADERS AND SKID LOADERS TO MOVE THAT MANURE — WITH EASE.

791 Spreader

SPREADERS BUILT EXTRA RUGGED TO WORK WHEN YOU'RE READY!

Meet the BIG, Liquid Manure Spreader that's built...

3200 Gallon Model with 4 Chisel Injectors Available for Rent. Call today to reserve days of use.

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FREE TRUCKING! ON ALL EQUIPMENT BOOKED THRU JANUARY

NOW IS THE PERFECT TIME TO GET YOUR TRACTORS & EQUIPMENT IN SHAPE FOR NEXT SEASON! ALSO APPLIES TO LAWN & GARDEN TRACTORS!

★ CALL DICK BONHOLTZER TODAY AT 717-397-5179 ★

WAIVER OF FINANCE

★ All New & Used Forage Equipment
★ Harvesters - with Hay Head till May 1, 1980
-with Row Crop Head till August 1, 1980

master charge — VISA — Unicel

AUTHORIZED SPERRY NEW HOLLAND PARTS and SERVICE

USED EQUIPMENT

Gleaner E Combine w/3 Row 30" Corn Head & Grain Head
McConnell Forage Wagon, 3 Beater, w/Roof
Fox Super D SP Harvester w/2 Row Corn Head
J.D. 38 Harvester w/Corn Head & Pickup Head
N H Mod. 155, 30 Ft Elevator
Case 955 S P. Windrower w/10 Ft Head
(4) N.H 479 Haybines
N.H. 469 Haybine
N H. 328 Spreader w/ Hydraulic Endgate (like new)
N.H. 346 Tank Spreader (Ex. Cond)
N.H. 365 Tank Spreader (Ex. cond)
Several other good used spreaders
N H. 310 Engine Baler
(2) N.H. 273 Balers w/ Engines
N H 269 Baler w/54A Thrower (Ex. Cond.)
Ford 532 Baler w/Engine
Several other New Holland Balers
J D 60 Tractor, Good Cond
Hesston PT-10 Mower Conditioner
Brillion 10 Ft Cultipacker

SEE US AT THE PA. FARM SHOW, New Holland & Allis Chalmers Booths

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PARTS & EQUIPMENT

L. H. BRUBAKER, INC.

350 Strasburg Pike, Lancaster, PA — Phone: 717-397-5179

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or 687-6002
Or Call His Home:
653-5020 anytime.

SALE

OF GOOD USED FARM EQUIPMENT & DISCOUNTS ON NEW!

BEAT RISING COSTS NOW...

$4,000 BONUS CERTIFICATE

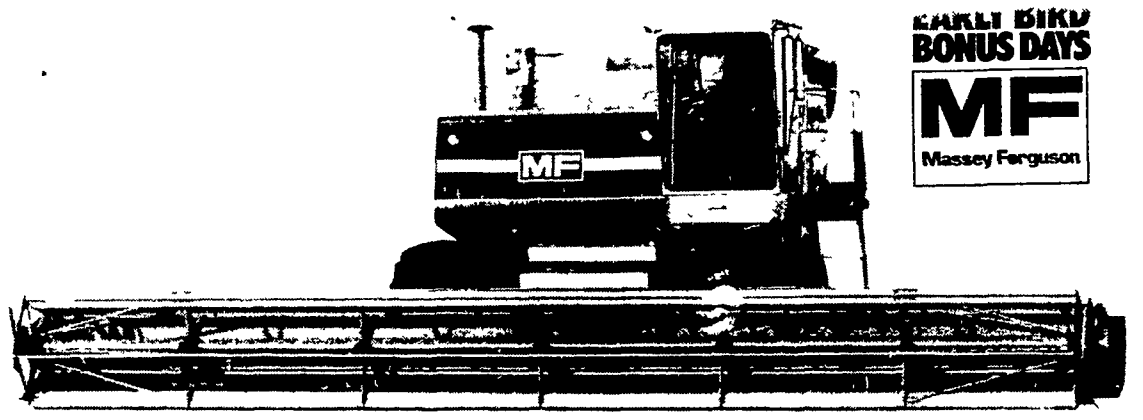
PLUS - NO FINANCE CHARGES UNTIL JUNE 1, 1980

Now's the time to buy ... during MF "Early Bird Bonus Days" ... that big red Massey- Ferguson SP Combine you've been wanting. Because if you buy now, you'll receive a $4000 BONUS CERTIFICATE from MF, good toward the purchase of new MF tractors, implements, hay equipment and combines before August 1, 1980.*

BUT THERE'S MORE!

PAY NO FINANCE CHARGES
UNTIL JUNE 1, 1980 when you finance your grain combine with MF.

In addition, if you buy before January 1, you may be eligible for INCOME TAX SAVINGS that can really make a difference. But you'd better hurry! Offer ends February 1, 1980.



EARLY BIRD BONUS DAYS
MF
Massey Ferguson

*Offer excludes certain combines and four-wheel drive tractors Check with us for details

USED COMBINES

MF 760 Hydro V8 Diesel with Hillside grain saver and 15 ft. Grain Head	45,000.00
MF 760 Hydro V8 Diesel with Hillside grain saver, 16 ft. Grain Head and 6 Row Corn Head	32,000.00
MF 510 Diesel with 13 ft. Grain Head	22,000.00
MF 550 Diesel Hydro 13 ft. Grain Head and 4 Row 30" Corn Head	42,000.00
MF 510 Diesel with 13 ft. Grain Head	15,500.00
MF 760 Diesel 4 speed with 16 ft. Grain Head 6 Row 30" Corn Head	29,000.00
J.D. 4400 Gas with 13 ft. Grain Head and 4 Row 30" Corn Head	17,000.00
MF 410 Diesel with 13 ft. Grain Head	11,000.00
MF 510 Gas with 14 ft. Grain and 4 Row Corn Head	14,000.00
MF 300 Gas with 13 ft. Grain and 2 Row 38" Corn Head	8,500.00
IH 315 Gas Hydro with 12 ft. Grain and 2 Row 38" Corn Head	9,000.00
MF 410 Gas with 12 ft. Grain Head	8,200.00
MF 510 Diesel with 12 ft. Grain and 3 Row 38" Corn Head	8,000.00
MF 510 Gas with 16 ft. Grain Head	6,500.00
MF 410 Gas with 14 ft. Grain Head	3,200.00
IH 91 with 10 ft. Grain and 2 Row Corn Head	1,800.00
IH 141 with 12 ft. Grain Head	2,200.00
MF 510 Diesel with 12 ft. Grain Head	3,000.00
MF 80 with 12 ft. Grain Head	1,600.00
JD 45 with 12 ft. Grain Head	1,000.00
Claeye with 12 ft. Grain Head	1,200.00
MF 82 with 12 ft. Grain Head	900.00
New Idea Uni with 12 ft. Grain Head	800.00
MM with 10 ft. Grain Head	400.00
MH 80 with 12 ft. Grain Head	600.00
IH 125 with 10 ft. Grain Head	200.00
New Idea 2 Row 38" Pull Type Super Sheller	4,000.00
30 Used MF Corn Heads.	From 1000 & Up

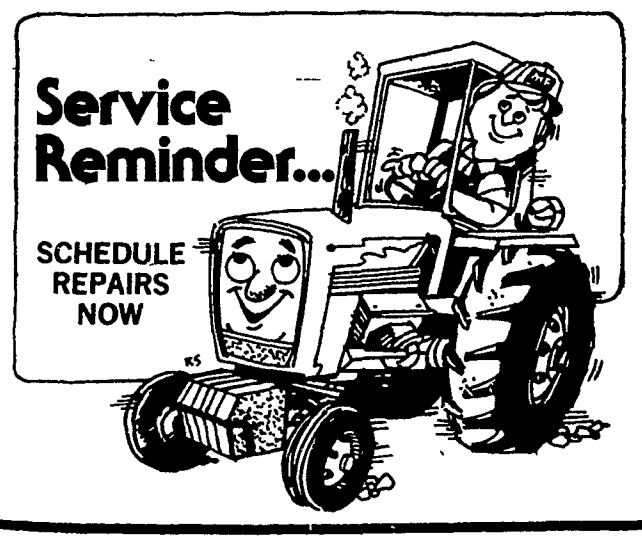
NEW 2 ROW 38" QUICK ATTACH CORN HEAD List Price $4200.00
Special Price $2,200.00

USED TRACTORS

MF 50A Tractor Loader Backhoe	14,000.00
MF 1155 Diesel Less Cab.	11,000.00
MF 1805 Diesel 4 Wheel Drive.	18,500.00
MF 1130 Diesel with Engine Overhaul	8,900.00
MF 40 Diesel with Industrial Loader	4,900.00
MF 165 Diesel with Sauder Loader	4,000.00
MF 97 Diesel 4 Wheel Drive	4,000.00
Farmall Cub with Cultivator	1,800.00
MF 65 Diesel with Loader	3,000.00
MF 35 Gas with Loader	2,200.00
MF 50 Gas	2,200.00
MF 135 Gas	3,100.00
MF 85 Diesel.	2,200.00
MF 135 Diesel	3,900.00
Oliver 55 Gas	1,350.00
M.M. 335 with Loader	1,400.00
Farmall "M" Tractor & Picker	1,000.00
New MF 205 Diesel 20 h.p. with Quick Attach Loader List Price 6800.00	Special Price 5,750.00

USED EQUIPMENT

New MF 43 Grain Drill List Price $3150.00	Special Price 2600.00
New Glenco 5 tooth Soil Saver List Price 4150.00	Special Price 3550.00
Brady 722 Flail Chopper	1,800.00
MF 81 Hay Tender	2,200.00
IH Flail Chopper.	375.00
Fella Hay Tedder and Rake	1,600.00
Hesston S.P. Swather	800.00
Stauffer Forage Wagon	1,150.00
MF 81 Hay Tender	900.00
Belt Elevator	275.00
Gehl Forage Wagon	375.00
Fella 4 Wheel Hay Tedder	1,600.00
Neimyer Hay Tedder	900.00
Tandem 32 Disc on Wheels	800.00
MF 3-16 Spring Trip 3 pt. Plow	700.00
Fontana Loader to fit MF285	1,500.00
Rotary Hoe.	300.00
JD Disc	125.00
JD 11 Tooth 3 pt. Chisel Plow	675.00
Ford 1200 Loader	300.00
Dunham Loader.	700.00
Tandem Disc 48 on Wheels	600.00
Pull Type 6½ ft. Mower	400.00
3 pt. 7 ft. Ford Mower	175.00
Glenco 7 tooth Soil Saver	3,450.00
Farmhand 2 ton Grinder Mixer	1,850.00



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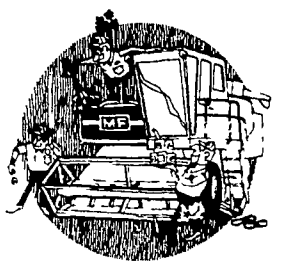

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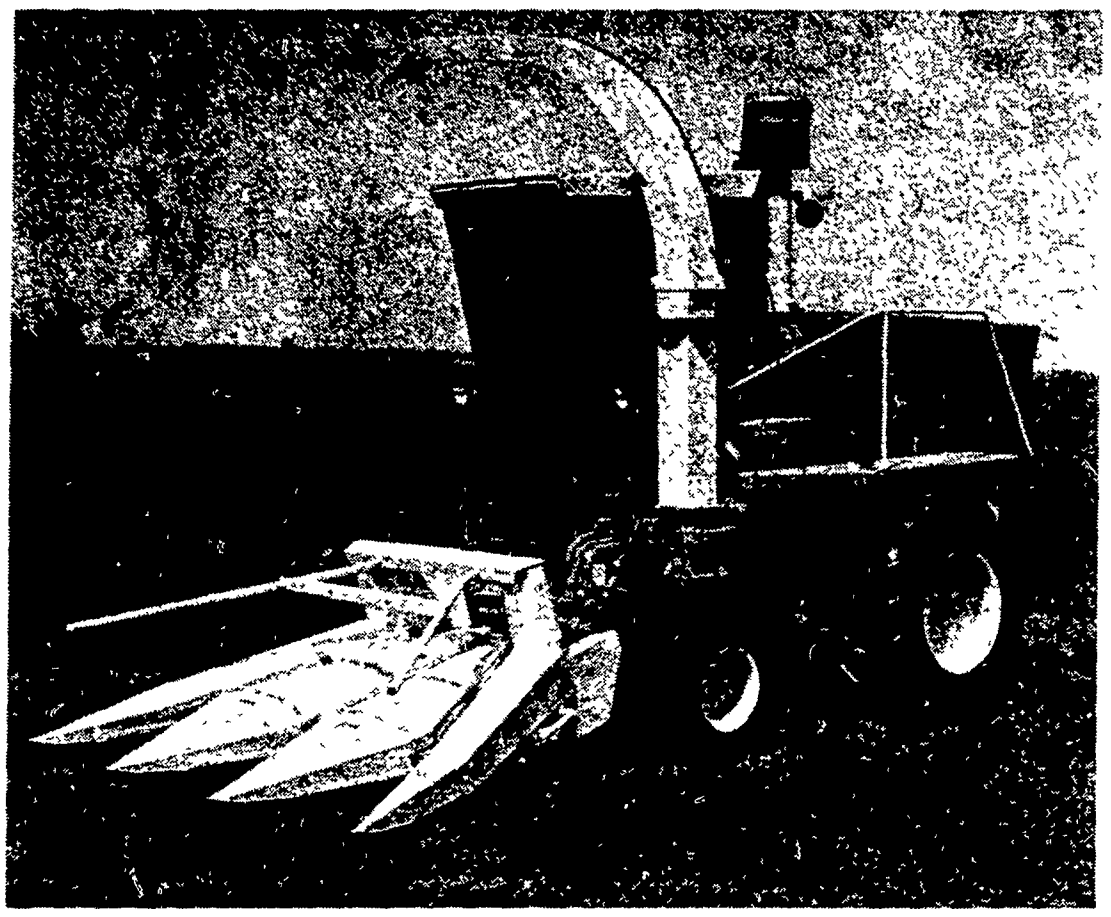

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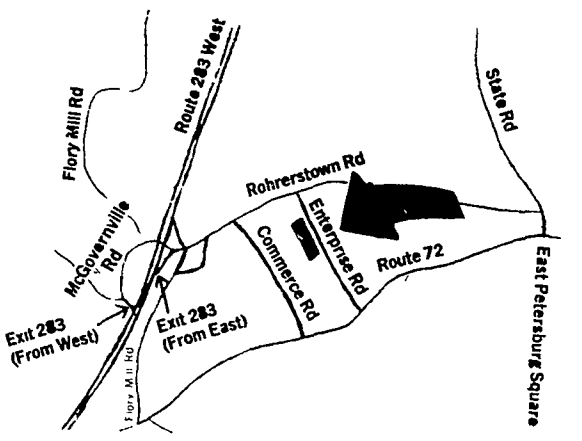

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JD 220 18 ft. Fold-Up Disc, like new
1975 Case 1070 w/1100 Hours, Cab & Air
IH Hi-Clear 574 Diesel w/85 Hours.

FOR SALE OR LEASE
1466 FARMALL TRACTOR w/CAB

JD 3020 Diesel, side console
JD 4020 Gas Tractor
1972 JD 4020, Power Shift Diesel
Farmall 706 Diesel
Farmall 706 Gas w/cab
Farmall Super M
JD 530 Tractor Complete w/3 pt hi SOLD
Farmall 230 w/fast hitch
Case 930 Comfort King, Standard Tread.
Farmall 656 Hydro Dsl SOLD
NI 7 ft. cutditioner, good
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FARM EQUIPMENT

MF 202 work bull w/loader
JD 420
JD 520
JD 620
JD 2030
2 6006 Deutz
NI 2 row narrow picker w/12 roll bed
1974 Int 674 diesel, low hrs.
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I 350 D with Loader
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IH 227 Corn Head
IH 743 Corn Head
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IH 2MH
NI 327 Super Sheller

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IH 46 Baler w Thrower
IH 47 w/thrower
IH 37 w/thrower
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540 4F 14 inch Plow
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Planters & Drills
JD 1250 6 Row
IH 449 4 Row
IH 56 4 Row
Oliver 4 Row
MF 4 Row
Dearborn 13x7 Drill
Ontario 16x7 Drill
JD Rotary Hoe
Ford 2 Row
NI Lime Spreader
Cub Planter

Tillage
JD Disk
12' S T Harrow
16' S.T Harrow
Howard S.T. 180 Rotovator
Dunham 15' Cultimulcher
IH 770 Offset Disk
IH 122 3 pt Disk

Forage Equipment
IH 650 Harvester w/2 heads
IH 550 Harvester w/2 Heads
IH 50 w/PTO Drive
IH 16 Harvester
JD 6 Harvester
JD 34 Harvester w/2 Heads
AC 780 Harvester
Badger Harvester
Fox 546 Harvester
Papec 180 Harvester w/2 Heads
NH 770 Harvester
NH 22 Blower
NH 25 Blower
IH 42 Blower
Kools Blower

Miscellaneous
Mayrath 41 ft Elevator
IH 135 Spreader
Myers Snow Plows
Snow Blowers For Cadets
IH 107 Cadet with Mower
IH 1850 Loader

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- 8/1/80 on Forage Harvesters
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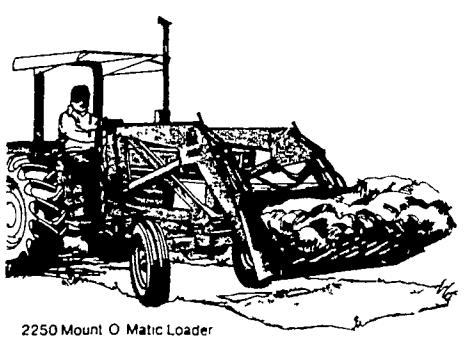
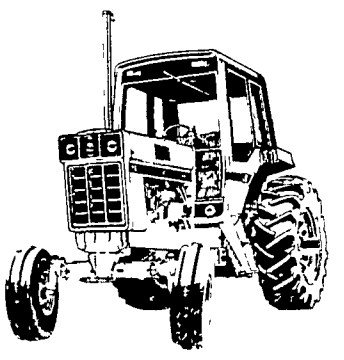
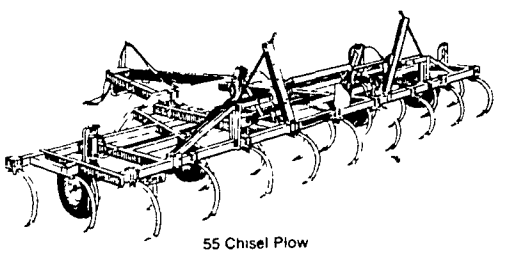


2250 Mount O Matic Loader



986 Tractor



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Brillion 10 tooth chisel plow
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JD model 1240 corn planter
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New Vermeer Balers In Stock

USED EQUIPMENT

(2) Vermeer 605 D balers
(2) NH 479 haybines
NH 850 round baler

(SPECIALS) on corn equipment, combines, corn heads and pickers, see or call us before you buy.

(New) JD 6620 side hill combine with (SOLD) both heads.

Used Combines - on our lot. JD 7700 D w/air, grain head and 643 corn head (clean). Gleaner F2 diesel, cab, air, grain saver, used 200 hrs. w/grain and 430 corn head. White 8600 hydra D w/grain and 4 row corn (real nice) White 8800 Hydra D w/grain and 4 row corn head (real sharp). 76 Int. 715 diesel w/844 corn head and 810 grain head. Int. 715 gas w/844 corn and 810 grain head. Oliver 525 w/cab, grain, 522 corn head. 1973 John Deere 6600 diesel w/2 heads (clean), J.D. 6600 gas w/2 heads; nice cond. MF. 760 diesel hydra with grain and 6 row corn head. Case 660 w/cab and 10 ft. grain. Int. 915 diesel w/grain and corn head; JD 45 sq. back w/cab, 10 ft. grain and (SOLD); MF 300 combine w/cab and grain, Int. 82 Pull Type (clean).

Just Traded - Gleaner F w/cab, air, grain and 4 row corn real clean, Gleaner E III w/cab, grain and 330 corn.

New JD 4440 cab, air quad (SOLD) range, 4240 (SOLD) cab and quad range, (2) 4440 cab, air, power shift, full weights and 3 pt. quick hitch fully equip; JD 3010D, JD 620, Ford 5000 diesel.

JD 4430 C.A. QR, 5020 w/turbo & duals, 4010, 1969 JD 3020.

Tractors & Eq. - Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; John Deere 4230 w/cab, air, quad range; JD 1520 (SOLD) w/loader, JD 4010 tri. gas; JD #1600 14 tooth chisel plow, like new; Gleaner E Combine w/cab, grain and corn head; Farmall 966 Hydro extra nice, J.D. 4020 w/rollguard & dual hyd., used Farmall 986 w/rollguard - like new, Ford 7000 diesel w/new tires, J.D. 4430 cab, air, quad range, 1971 J.D. 4020, Farmall 1466 w/dual P.T.O. real nice - no cab. 1206, nice 856, Original. Farmall 856 w/new tires & new paint. A.C. 210D, w/new 20:8-38 tires, JD 620 w/3 pt., real nice. JD 4020 w/cab, MF 85 w/loader. Farmall 706 diesel w/310 motor, (New) NH Direct cut head for 770, Int. #700 - 6x trip plow. 1978 Farmall 1586 w/cab fully eq. w/duals, used 400 hrs. like new. Int. 4166 four wheel drive w/cab & 3 pt. $12,800. Farmall 1256 original $9800. 2 Farmall 856 w/no TA $6800 ea. 560 Gas w/F.H. AC 220 w/cab & air, 1 local owner, original for $10,500, 1968 JD 3020 Power Shift.

Just arrived. New JD 4840 w/Duals, new 4440 C.A. QR; New 4040 QR w/fenders, New JD 4240 - 4 post QR; Used JD 4630 C.A. Power Shift; JD 4230, C.A. Q.R. 3010 Diesel.

Farmall 966 - one owner; 1566 w/cab, 1466 w/cab, 1026 Hydro (clean), Farmall 656 gas (as is) $2475.00, Coming In - Farmall 686 like new, Farmall 666.

Combines: Used JD 4400 gas w/cab, grain & 2 row corn head, needs motor work. Used late Model Gleaner K w/cab, 12 ft. grain, K238 C.H. Gleaner K w/cab, 10 ft. grain, K240 corn head Price $7900.00.

New Idea 702 Diesel w/cab, 729A sheller & 4 row corn head, Gleaner K330 corn head, Case 830 C.K. gas, J.D. 2510 gas, J.D. 4320, Farmall 656 Hyd. gas, 756 gas. (Tractors) 2 Used 4430 w/Q.R. Farmall 544 utility gas, 806 tri. diesel, 560, 460.

Farmall 1566 black stripe w/cab; 966 black stripe w/roll guard, 1066, Farmall 1456 w/dual P.T.O. original, nice, Farmall 806D original, JD 7x plow on- land-hitch, Int. 3 pt. Vibra shank field cult., Int. 843 corn head, like new, (New) Eq. at Discount Prices. Following are all (new) & reduced to sell: (New) JD 2840 w/38" tires, list $18,000 our price $14,900. Int. 445 baler $3975. Gehl 1090 haybines $4495. J.D 244 corn head $2575. New Hesston 1010 Hydra Swing Haybine $4850; New M.F. 44 Corn-head $6300.00, New Int. #710 Six X18 tripplow $2850.00; Int. 3 pt. 4- row rolling cult. (All above are new machines). Used Tractors: 856 w/front wheel drive, 1206 w/front wheel drive, Farmall Hi Crop-Hi Clearance 666 diesel, 656 diesel, 756 gas, 300 gas, JD.2010 gas, J.D. 7700D. w/cab grain & corn head. N.I. 2 row 30" picker w/grinder. 1976 Chevy w/5200 miles w/14 ft. flat like new. 1970 J.D. 4020/diff lock & dual hyd., Long 900 diesel like new, David Brown 1212, Case 1537 Skid Loader.

HARVESTERS. Holland 770 w/2 row & pick up. Fox Super 2000 w/2 row narrow & elec. sharpener. J.D. 38 Chopper w/2 row, 30" head. Int. 350 w/1-row & pickup, N.H. 880 w/2 row and pickup head, Fox I546 w/2 row narrow head and direct cutter head, NI 702 Uni gas w/chopper & corn head $5,900.00.

JOHN DEERE (New) 4640 C.A. P.S. Used JD 4030, 4020 D w/JD 58 Loader, 730D, 720D, (Used) 4230's, 5020 tractor puller, J.D. 730 Gas, 1968 4020 power shift, 1970 JD 4020 Power Shift; JD 3020 gas w/cab; JD 170 skid loader; JD 70 Skid Loader; Used JD 2840 like new; JD 4010D w/W.F.

FARMALLS (Brand New) 986 cab & air. Farmall 1466 cab, air & duals, 656 dual & 656 gas Hydro. D 766, 1456, 806, 706, Int. 656 Hydro. Utility Diesel, (4) Farmall hydro 70 w/w.f. and 3 pt. $8800.00; 560 D w/F.H. & TA., M for $950.00.

CASE Used 1370 cab, air power shift w/900 hrs., 970 w/cab & Power Shift, 1030, 970 w/P.S. & new tires, 1030, 830. Oliver 1950T w/over and under shift, 1855 w/cab, 2050, 1855, 1800.

MASSEY FERGUSON new 1105 w/cab, 1085 used 300 hrs. w/rollguard, 275D. w/loader, 1080D. 1100, 1080, 175, 85, 135. 1970 MF 1100D. Ford 8000, 7000, 6000, 5000.

ALLIS CHALMERS 7040 w/cab, power shift like new, 7030 w/cab, 220 w/cab, 220, 210, 1968 AC XT190 for $6900, AC 180D, AC 7030 w/30:5 32 tires, no cab, nice AC 185D w/loader; New Farmall 986 cab and air for $22,000.00.

COMBINES - M.F. 300 w/cab air, grain head & - three row 30" cornhead used 80 acres - like new, Massey Ferguson 510 D w/cab, Hydra. drive, quick tach grain & 44 corn head, MF 510 Diesel gear drive w/cab & Quick Tach grain & 4 row corn head. 82 w/cab. N.I. 702 Uni tractors w/combines & shellers, 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, used M.F. grain heads. (New) J.D. 215 rigid grain head, New JD 653 Bean heads (SOLD).

We Do Have - CORN HEADS - John Deere 443, 643, 444, 343, 344, 244, 435, 434, 335, 235, 234, 205, Massey Ferguson 44, 63, 43, 24, 222, 422, Gleaner L438, 430, F440, KL.330, KL238, E240, F335, CII 440, CII 430, Int 227, Case 402. MF 321, J.D. 335 for 55, 435N for 95. Int. used 863, 844. N.I. 3- row 30", NI 4-row 40" heads, Case 3 row 30", Case 4 row 40", 50 corn heads to pick from on our lot. Int. 843, 743, 744 corn head. M 430 Gleaner, head and 15 ft. grain head, 2-late model used MF 44 corn heads, Int. 6 row 30" for 503.

IND. EQUIPMENT - J.D. 310 loader and backhoe, JD 440 loader & backhoe, D8 Cat w/blade, AC HD 6G crawler loader, Cat 955 crawler loader, Long I200 3 pt. backhoe, like new.

BALERS - (New) New Holland 315 w/thrower, New Int. 445 baler, used JD 346 w/thrower (SOLD) 2 - N.H. 1010 bale stock wagons. (new) N.H. 256 rakes.

CORN PICKERS - (New) New Idea 2 narrow w/super sheller, N.I., 325 w/12 roll bed. 324 w/super sheller used 20 acres, N.I. 324 w/12 roll bed, used 2 yrs., 325 narrow w/12 roll bed, used 323 one row NI 311 two row pull for $1975.00 New Idea 2 row narrow row w/12 roll beds, shellers and Super shellers, 3 row 30" pull picker with Super sheller, Shellers for mounted pickers, AC D17 w/AC #190 mtd. picker; Whetmore Grinder Blower.

HAYBINES - NH. 479, 469, New Gehl 1090. New Hesston 1010 Hydro swing, Used Hesston PT. 10, NI 5 bar hay rake like new. New J.D. 750 Grinder Mixer, used Int. 1050 Grinder-Mixer.

CORN PLANTERS - (NEW) JD 7000 6 row w/Fert. auger fill and Monitor, new, JD 6 row conservation planter; New JD 6 row 7000, (3) new JD 4 row 7000, Used JD 4 row 7000 fully eq. with monitor, used. White 6-row 30" no till fully equip. w/liquid, inst. monitor, Int. 56 4 row w/inst. J.D. #1300 - 6 row plateless w/inst. & monitor. White 6 row 30" no til w/dry Fert., Inst., and Monitor. MF 33 grain drill

PLOWS - New White 508 - 5-18 automatic reset. J.D. and Int. 4,5,6,7 trip and resets. Oliver 5,6,7 trip and Hydraulic reset, chisel plows 3 point 10-13 ft. Glenco SS7 Soil Saver (Demo). JD 12 ft. cultimulcher. New (Demo) 14 ft. Crust Buster Hydr wing plowing Disk; Int. 480 20 ft. Wing Disk, A.C. 18 ft. & Case 18 ft. wing Disk, Pittsburgh 13 ft. disk, JD 4X roll over plow, Bush Hog 12 & 15 ft. Discs, new; 4 used Oliver 12 to 14 ft. discs. Brillion 13 ft. cultimulcher w/inside wheels, New Bush Hog & White 3 pt. 10 ft. Chisel Plows. New J.D. 1624-24 ft. (SOLD) wing chisel plow.

New White 14 ft. field cult., Brady stalk shredder. (New) Glencoe SS7-9 ft. Soil Saver $4150.00, Kawanee 22 ft. wing disk. **Planters** - (Used) J.D. 1440 4 row no til plateless, 494A. Int. 6X auto. reset plows.

Combines - Gleaner F w/2 heads. JD 4400 gas Combine w/burned motor and cab. **Trucks** - 1974 Ford Pickup real nice, 1971 Int. Roll back, 1977 Delta 44 ft. Combine trailer.

Blade for Int. TD6 crawler. 1970 J.D. 4020 w/cab, Int. 234 picker w/bed. (New) Kill Bros. gravity bins. New Kill Bros. 8 ton running, gears. Pick up heads for Int. 550, 650, also Int. 16, 350, Fox pickup head, Fox 3- row 30" corn head, Direct cut head JD 3800 & 38. JD 3 row narrow silage head, New Holland used 2 row 30" and 40" corn heads. (10) sets of dual wheels all sizes.

JD front & rear weights, IH front and rear weights.

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home 215-562-7451

FARM EQUIPMENT FARM EQUIPMENT

Equipment	Tractors For Parts
Ford 6000 comander diesel WF $2500	(5) Farmall M gas & diesel
IH 200 fast hitch & 3 pt AD w/mower & plow	(4) Farmall H, Super, C F14, Ford 860
AC WC	Farmall A
IH 2 wheel dump trailer 10 ft. box	D17 Allis
Spreaders from $350-$650	3 Oliver 70, Vac Case
2 IH 5 flail choppers, direct throw	Ford 8N rear end, wheels & tires most sizes
IH fast hitch stalk cutter	Allis C
Ford 3 pt. harrow	WD Allis
IH 550 harvester 2 row corn & grass head.	SC Case
	Ford 8N
	JD 60 w/live PTO
	1952 JD B
	IH Super H
	IH 300 w/fast hitch
	JD A
	JD 50
	Oliver 77 tractor
	IH Super m

Pickers For Parts

New Idea 305, No. 7 AC
IH 2 MH, 2 ME, 1 PR
JD 226, 227, GI, Woods
Ford 2 row mtd. 3 pt.

Combines For Parts

Gleaner CII, pull type. Massey 82, 92, 80, 90, 26, 27, 35. Clipper, IH 303, 151, 101, 125, 127, 52, 76, 64. Ford Sp & Pull type, Woods, Oliver, Clazy, SP, Case, AC, IH 203 combine engine will fit 504 tractor, Gleaner A combine, IH 91, JD 55 square back, 45, 55 round back.

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Residence 301-452-8693 after 6 P.M.

1086
131 4 PTO hp

986
105 6 PTO hp

MANY WAIVER OF FINANCE PROGRAMS HAVE JUST BEEN ANNOUNCED! AVOID PRICE INCREASES! USE YOUR CAPITAL FOR OTHER PURPOSES!

NEW EQUIPMENT

(2) 986 w/cab, air, diff lock	720 plow, 5x18"
686 D	(2) 435 balers
(2) 584 D row crop	510 plow, 4x16"
484 D utility	510 plow, 3x16"
490 disc, self-leveling wing type, 21'	110 F boxes w/tandem gear
475 disc, 13'10"	510 drill, 16x7 plain
475 disc, 17'5"	510 drill, 18x7 combination
720 plow, 5x20"	55 10' trailing chisel

Many New Cub Cadets At Old Prices!

NEW EQUIPMENT SPECIALS UNBEATABLE DEALS!!

IH 510 grain drill, 16 x 7 plain, hillside tires, rear grass seeder, double disc furrow openers.

$2975

Waiver of finance until 4-1-80.

IH 4130 Skid Loader w/52" Material Bucket, Oversized Tires

$7650

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ASK US ABOUT B.F. GOODRICH RADIAL TRACTOR TIRES! LONGER WEAR, LESS SLIPPAGE, MORE USABLE HORSE POWER & SAVE FUEL - YOU CAN'T AFFORD NOT TO USE RADIALS!!

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706 D w/3 pt hitch
213 New Idea manure spreader, nice
Leland 154 tractor, 30 h p , 3 pt , like new
IH 2400A diesel tractor, 3 pt w/6 way industrial blade
IH 234 picker nice
IH 2000 loader nice
NH #27 blower, nice
JD 34 harvester w/1-row head, hay pickup
NI 279 cutditioner new rotor, like new
IH 700 auto reset plow, 5 x 16'
JD 1600 chisel like new, 10'
314 sheller for NI pull type picker, exc cond
MF flail chopper, fair cond

FARM TRACTORS - BUY MORE HORSEPOWER CHEAPER THAN YOU THINK

(ALL DIESEL & WIDEFRONT UNLESS SPECIFIED OTHERWISE)

* HP	Make & Model Comments	Price
220	Case 2670-4WD-Cab-3 pt- 1975-2300 Hours	$18,500
195	MF 1805-4WD-Cab-3 pt. PTO-1700 Hours Duals	$19,500
145	Case 1470-4WD-Cab-3 pt.-2500 Hours	$16,500
145	Oliver 2255-Cab-1800 Hours-Triple Remotes	$14,750
135	Ford 9600-1974-New Paint-New Tires	$11,500
135	Ford 9000-New Paint-New Tires	$9500
135	MF 1150-Duals-Multipower	$8750
125	JD 4430-Cab-Air-Quadrange	$18,500
120	JD 4320-Cab-New Tires	$12,500
120	JD 4320	$12,000
120	MF 1130-Multipower	$7500
115	Farmall 1256-Cab-Air	$9750
115	Farmall 1206-Cab	$8950
115	Farmall 1206-Cab	$8750
105	Oliver 1950 GM-New Paint	$7500
105	Oliver 1950 GM-Fender-Tanks-Big Tires	$6,750
100	Farmall 966-Cab-Air	$11,500
100	Case 1070-Cab-Powershift-2000 Hours	$10,750
100	Oliver 1855-Cab-Air-Fender Tanks	$9500
100	Case 1030-Cab-2200 Hours	$6950
100	Case 1030	$6,500
100	Case 1030	$5500
95	JD 4020-4WD-Side Console-Powershift New Tires	$13,950
95	JD 4020-Syncrorange	$6750
95	Farmall 806-Cab-Radial Tires	$6,500
95	AC 190XT-Try-3 pt	$4500
85	Case 930 CK-Cab-3600 Hrs.-Wts.	$6750
85	Case 930 CK Standard-Cab	$4750
85	Case 930 CK Standard-Cab	$4650
85	Case 930 CK Standard-Cab	$4500
85	Case 930 CK Standard	$4400
85	Case 930 CK Standard	$4300
85	Case 930 CK Standard	$4250
85	Case 930 CK Standard	$4200
85	Case 930 CK Standard	$4100
85	Case 930 CK Standard	$4000
85	Case 930 CK Standard	$3500
85	Case 930 CK Standard	$3000
80	Case 930 Standard	$2500
80	MF 1080-Cab-Multipower	$7500
80	JD 830-2 Cyl-Cab-P.T.O.-New Paint	$4500
75	AC 185-1974-1700 Hours-Wts	$9500
75	JD 820-2 Cyl-P.T.O.-New Paint	$4500
75	JD 820-2 Cyl-PTO	$3850
75	JD 820-2 Cyl-PTO	$3750
70	JD 3020-Side Console-Power Shift	$8750
70	JD 3020-Side Console-Straight Shift	$8650
70	Ford 5100	$7950
70	JD 3020-Powershift	$7250
70	Ford 5000-New Paint	$6750
65	MF 180	$5750
65	Long 610-200 Hours-1979-Rollbar List $11,000	$7950
65	Case 830-3 pt	$3950
60	JD 2030-Utility	$7900
60	JD 730-DE	$4250
60	JD 730-DE	$3850
55	Long 560-4WD-New-List $10,500	$8950
55	Long 560-4 WD-All Tires Same Size	$7950
55	Long 560-4WD-All Tires Same Size	$7850
55	Long 560-w/New Industrial Rotary Mower	$7500
55	Long 560-4WD-Low Hours	$6750
55	Long 560-Low Hours	$5950
55	JD 2020-New Paint-New Tires	$6950
55	JD 2020-PS-Utility & Pinion Axles-Gas	$6950
55	Oliver 1550	$3950
55	Case 800-Tricycle	$1450
50	Long 510-4WD-New List $11,500	$9950
50	Farmall 460-FH-New Paint	$3950
50	MF 65-PS-Multipower-Gas	$3000
50	Farmall-460-FH-Gas	$2500
50	Farmall Super M-Gas-Trycycle	$1375
50	JD 70-DE-3 pt-Trycycle	$2450
45	Farmall M wNI 12 Roll MTD Picker-Gas	$3500
45	M.H. 333-3 pt-Gas-Try	$1075
40	Long 460-4WD-w/Loader-Low Hours	$8500
40	Long 460-New-Rollbar List $8800	$6750
35	Long 360-New-WTS List $7800	$6250
35	Long 360-New List $7500	$6000
20	Farmall A w/Cultivator-New Paint-Gas	$1375
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15	Farmall 154 Cub Lowboy w/Rotary Mower Gas	$3000
15	Farmall Cub-Cultivator-Gas	$2850

* Horsepower according to NFPEDA Guide Book and rounded to closest 5 horsepower.

★ Choose from 82 tractors and 6570 horsepower
★ Color Photos Available at $1.00 Per Each

TRUCKS - EXCELLENT SELECTION

DUMPS - FARM

1974 Ford Louisville - Single Axle - New 18' Omaha Dump-w/Cattle Racks-225 Cat Diesel	$17,750
1962 Ford Cabover - 16' Flat Dump - w/Grain Sides	$3,850

ROLLBACKS

1979 Int 2500-Tandem-290 Cummings-1110 Trans-Double P.S.-New Jerr Dan 26' Rollback-Built Super Heavy	$55,000
1979 Int S2500 - New 26' Jerr-Dan Rollback w/winch 238 Detroit - New Condition - Built By Us	$34,500
1975 Int 2050-Tandem-Cat 225 Diesel 10 speed R.R.-New 26' Jerr-Dan Rollback Heavy Duty	$27,500
1974 Ford Louisville 8000 - New 24' Jerr-Dan Rollback w/winch - 225 Cat Diesel	$22,500

TANDEM TRACTORS

1970 Diamond Reo - 55,000 Rears, 318 Detroit, 13 speed w/low Cog for Off Road, 30,000 Miles on Engine, Excellent LowBoy Tractor	$15,000
1969 Diamond Reo - Sleeper - 318 Detroit	$4800
1968 Mack F Model - Sleeper - All Mack Components	$3800
B61 Mack-Complete Or For Parts	$2500

TRAILERS

1969 Great Dane 35 Ton Detachable	$13,750
1977 Delta 44' Drop Deck w/Beaver Tail	$10,750
1975 Fontaine 42' Drop Deck	$8500
[2] 8 Ton Lowboy w/Beaver Tail	each $2950
[40] New Hudson Tag-A-Longs on Stock Up To 18 Ton	

OTHER TRUCKS

1965 Int w/Diesel Feed Mill Unit	$4000

SINGLE AXLE TRACTORS

1976 Ford Louisville 7000 - 175 Cat	$12,500
[2] 1974 Ford Louisville 8000 - 225 Cat	$11,500
1965 Int Emoryville - Sleeper - Cummings	$2500

PICKUPS

1980 Chevy Diesel - All Options	$11,500
1980 Chevy 4WD LUV-All Options Made	$8500
1979 Chevy - ¾ Ton - 4WD - All options 15,000 miles	$8500
1978 Chevy - ½ Ton - 4WD - 15,000 Miles	$6500
1978 Chevy ½ Ton - PS - PB - Auto	$4850

DUMPS - CONSTRUCTION

[17] New Mack-20-25-35-Ton Off Road Dumps Call For Specs.	
1974 Ford Louisville - Single Axle - New 9' Dump Body 225 Cat Diesel-Very Nice	$15,750
1974 Int 2050 - Single Axle - New 9' Dump Body 225 Cat Diesel- Very Nice	$15,750

MISC. CONSTRUCTION

Terex 72-41 Rubber Tired loader-cab-articulating -	$25,000
Davis - DH5 trencher - new	$13,500
Galion 503 Grader w/Cab	$7850
Case 1740 Diesel - Skid Steer	$6800
Michigan 55 - 4WD - Loader	$5500
Michigan 125 Diesel 4 WD Loader	$4750
[2] Wood Chippers	$4000 each
Scoopmobile 4WD Diesel Loader	$3750
5 HP Single Phase Air Compressor, like new	$1750
[150] Backhoe & Loader Buckets	
Forklift Forks	

NEW 3 pt. BLADES
7' - $245 6' - $195
6 or More $195 6 or More $165

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Ford 6000 lb Diesel-30 lift-excellent	$16,500
York - Baker - 7000 lb	$11,500
JD 2010 -side shift	$6750
INT 340	$5750
Yale 3000 lb.-air tires	$5450
White 3000 lb	$4500

PLOWS

IH 4x semi reset	JD 5x18" semi
(3) IH 5x semi reset	JD 3x16 pull
(5) IH 6x semi reset	Oliver 5 or 6x18" semi
White 6x18 semi reset	Oliver 5 or 6x16" semi
JD 6x16" semi	IH 710 5x16 semi
JD 5x16" semi	IH 5x16 Semi

NEW & USED CABS

New Case 930-1030 Cab	$1950
New JD Cab for 2840 JD	$1950
New Oliver Cab (1550 thru 1655)	$1750
Oliver 1855 Cab w/Air	$1500
IH 1256 Cab w/Air	$1500 & Fenders
[2] Case 930 Cab	$750 & $1200
[2] INT 806 Cab	$750 & $1000
[2] JD 830 or 820 Cab	$650 & $1000
NI Uni Tractor Cab	$1000
INT 205 Combine Cab	$1000
INT 203 Combine Cab	$1000
JD 45 Combine Cab	$1000
[2] IH 1206 Cabs	$1000 & Fenders
JD 4020 Rollbar w/Roof	$450
Long Rollbar (New)	$375

BACKHOES

Long 5-in-1 Diesel - 4400 Crane-cab-300 Hours	$24,000
[2] JD 310 - Diesel - ROPS - 1973	choice $13,500
Int 3616 - 1969 - Diesel - Hydrostatic	$5250
Long 1199B - 3 pt-New-with pump	$4500
Ford 800	$3950

COMBINES - ALL PRICED WITH GRAINHEADS

JD 4400-Cab	$12,500
NH 995 w/6x30 Cornhead	$9750
Int 715-Hydrostatic-Cab	$8850
Gleaner K-Cab	$5750
Gleaner EIII-Cab	$5000
[2] Gleaner CII-Cab & 4x40 Corn	$3900-$4750
JD 45-Square Back-Cab	$3075
JD 45-Cab	$2650
Int 205-Cab	$1950
JD 40	$1950
[3] Int 203-with & without Cabs	$750-$2000

LOG SKIDDERS

Franklin 133B Pack-N Back	$13,500
JD 440A-Powershift-1969	$10,975
JD 540 - Powershift	$10,800
Franklin 170 XL - Powershift	$10,550
Franklin - New Tires - 160B	$10,000
[2] Ford Log Hogs	$4550 &$5050

125 CORNHEADS IN STOCK ALSO AVAILABLE FOR RENT

[3] AC EIII 240	[7] JD 234	[3] MF 321	NH 922
AC FL330	[2] JD 313	[2] INT 724	[3] Oliver 4x40
AC A240	[2] JD 435	[3] IH 329	Oliver 4x30
[3] AC E240	[2] JD 434	[5] IH 429	Oliver 512
AC KL238	JD 244	[4] IH 733	[2] Oliver 522
AC A330	JD 443	IH 744	MM H210
[3] AC C440	(3) JD 334	MF 33	[2] MM H942
AC C430	[7] IH 227	MF 63	[2] Case 345
AC GL440	IH 228	MF 422	Case 404
[2] AC C630	[3] IH 229	MF 44	Long 6x30
[5] JD 210	IH 22	[2] MF 22	[2] Long 4x40
[5] JD 205	[2] IH 327	MF 20	Case 3x30
[2] JD 10	NH 6x30	[4] MF 222	

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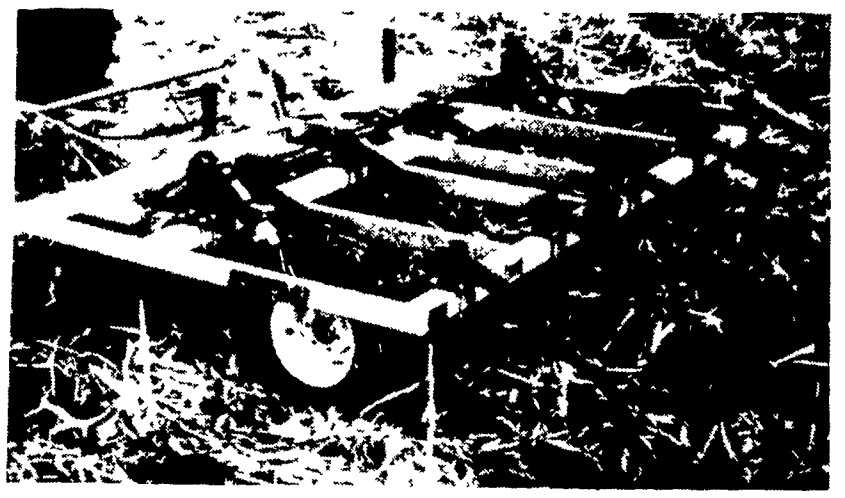

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Grain bins and accessories in stock.

18 ft bin, 4239 bu **$1452**
24 ft bin, 7727 bu **$2163**
30 ft bin 12,372 bu **$2SOLD**
18 ft Cor Lok floor **$326**
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30 ft Cor **SOLD** floor **$887**
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Aeration Systems
24 ft bin **$330**
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ladders **$15** per ring
roof vent **$38 SOLD**
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18" gas heater **$257**
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6" concrete center well **$51**
6" bin center well **$34**
6" power head **$72**
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8" band-on through well **$32**
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Sukup 30 ft bin, 2 down auger stirway **$1436**

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USED TRACTORS
Farmall 560
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IH 444 w/loader
JD 4020 Dsl.
(2) JD 4020 Dsl. Power Shift
Case VAC
Balarus 520 Diesel
Mustang 1000 Skid Loader
Gehl self propelled Harvester w/3 heads
5, & 6 bottom semi-mounted plows

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SUPER "SPECIAL"

- NI 701 Uni w/cab (Chevy Engine)
- 729 Sheller
- 2x40 Stripper Head
- 710 Combine (Choice of 2)
- 711 Grain Head
- 760 Chopper
- 2x40 Chopper Head
- Pickup Head (Choice of 2)

ALL FOR **$6250**

COMING IN AROUND JANUARY 15th - THE SHARPEST BUNCH OF DISCS EVER ASSEMBLED ON THE EAST COAST AT AFFORDABLE PRICES

White 40 Blade Wheel Disc w/Wings	Like New
[2] White 36 Blade Wheel Disc w/Wings	Like New
[2] White 44 Blade Wheel Disc	Like New
White 40 Blade Wheel Disc	Like New
[4] White 36 Blade Wheel Disc	Like New
Oliver 32 Blade Wheel Disc	Like New
JD 32 Blade Wheel Disc w/wings	Like New
44 Blade Wheel Disc	Like New
JD 40 Blade Wheel Disc	Like New
[3] JD 36 Blade Wheel Disc	Like New
[3] JD 32 Blade Wheel Disc	Like New
[2] JD 28 Blade Wheel Disc	Like New
JD 24 Blade Wheel Disc	Like New
Int 36 Blade Wheel Disc w/wings	Like New
[3] Int 44 Blade Wheel Disc	Like New
[5] Int 40 Blade Wheel Disc	Like New
[2] Int 36 Blade Wheel Disc	Like New
Int 32 Blade Wheel Disc	Like New
Int 36 Blade-Drag Type	Like New
Int 28 Blade-Drag Type	Like New
Int 16 Blade Cub Disc	Like New

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PORTABLE SPACE HEATERS
USED TRACTOR PARTS

DISCS ON STOCK
(Most are very high quality)

Int 480 w/Wings-36 Center Blades-64 w/Wings-Cylinder-Scrapers-Excellent	$5000
Int 480 w/Wings-44 Center Blades-60 w/Wings-Cylinder-Scrapers-Like New	$5000
Hutchmaster Offset-on Wheels-32 Blades-Scrapers Very Heavy-Excellent Cond	$4900
Wilbeck Offset on Wheels-32 Blades-Scrapers Very Heavy-Excellent Cond	$4900
JD w/Wings-40 Center Blades-60 w/Wings-Like New	$4500
[3] Long Offset on Wheels-26 Blades-Notched-Heavy Like New	$4250
JD w/Wings-32 Center Blades-48 w/Wings Scrapers Good Condition	$1950
[2] JD on Wheels-40 Blades w/scrapers-Good Condition	$1500-1750
[7] INT 16 Blade Cub Disc	From $295

SUPER "SPECIAL"

- Late NI 702 Uni w/cab
- 710 Combine (Choice of 2)
- 711 Grain Head
- 729A Sheller (Choice of 2)
- 2x40 Stripper Head
- 760 Chopper
- 2x40 Chopper Head
- Pickup Head (Choice of 2)

All For **$9850**

NEW IDEA UNI SYSTEMS

702 Tractor w/Cab-late Model-clean	$5750
701 Tractor w/Cab	$2950
[3] NI 4x30 Stripper Head-728 & 738	From $2850
[2] 729A Shellers	From $1750
[3] NI 3x40 Stripper Head	From $1750
[2] NI 3x30 Chopper Head	From $1500
729 Sheller	$1475
NI 3x30 Stripper Head	$1250
[2] NI 710 Combines	From $1000
NI Grain Head	$1000
Cab For Uni Tractor	$1000
NI 2x40 Stripper Head	$875
[2] NI Pickup Head	From $475
760 Harvester	$350
[3] NI 2x40 Cornhead	From $300
NI 2x40 Chopper Head	$275

HAY EQUIPMENT

Hesston 10 Stacker
Hesston 30 Stacker
[3] Hesston 10W Movers
NH 276 Baler
NH 258 Rake
NI Wheel Rake
[4] NH 54A PTO Throwers
[2] Stalk Choppers For Balers
NH 479 Haybine
Hesston 5400 Round Baler
Hesston 30 Stack Mover
JD 336 Baler

CONSIGNMENT SALE
MONDAY, FEBRUARY 18
9:30 A.M.

★ This will be a larger than normal sale
★ No sale commission charged if items not sold

SPECIALS DEALS ON TRACTOR & CRAWLER
SEAT CUSHIONS
OUR DEALS CANNOT BE BEAT

CRAWLER LOADERS

Cat 955K - Cab - in shop now	$25,000
CAT 941 - 1969-Powershift-Pedal Steer-Cab-New Bottom	$24,500
CAT 931 - 1974- ROPS-Powershift-Pedal Steer	$15,000
MF 500 - ROPS - 1970	$12,500
Int 125 - ROPS - Ripper - 4 in-1 bucket - 1973	$13,500
Int 125C - ROPS - Powershift - 1971	$10,750
Cat 933's	$8750-$9750
CAT 933 - wide pad-wide bucket-42A series - swamp machine	$9500

NEW 3 PT. PTO DRIVE
WOODSAWS $875
USED SAWS FROM $95.00

CRAWLER DOZERS

JD 450 - 1970 - New Bottom - 6 Way	$11,250
[2] Michigan 180-GM V6 Diesels - Rubber Tired	$9500 each
Int. TD 6 w/Ripper - Diesel	$6500

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FARM EQUIPMENT

FARM EQUIPMENT

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CRUST BUSTER TILLAGE

CHECK OUR 40-50 HP DIESEL TRACTOR DEALS

INTEREST FREE ON AC TRACTORS TILL 4/1/80

INTEREST FREE ON NH Hay Tool 5/1/80 NH Fg. Equip. 7/1/80

WATCH FOR OUR 2nd ANNUAL AUCTION SAT FEB 23, at 9 00 A M

TRACTORS

AC Model C
(3) AC 7040 PS, Cab/air
(2) AC 7000 cab & air
AC 7060 cab & air, ps, duals, 967 hrs
AC 7030
Case 530 Gas
Farmall Super M
Ford w/loader
JD 2030 Dsl w/loader
JD A
MF 65
Oliver 55 w/Sauder Loader

HARVESTERS

1976 Field Queen, Stand
JD 34 Harvester
IHC 550 Harvester
NH 1880 3RN, Ex Cond
NH 27 Blower Excellent
(2) NH Super 717
(1) Fox 3000 w/Fox 476 WPU, 122 2 RW 2 CB 2RN 215 2 RN,

PLANTERS

AC No-Till air 4 row
JD 71 No-Till, 4 row
IH 400 Cyclo 4 Row Good Cond

BALERS

NH 69 w/motor
NH 268
(2) NH 320 w/thrower
JD 346 w/thrower
JD 24T w/thrower
IHC 440 w/thrower
IHC 37 w/#10 thrower
MF 128, like new

SPREADERS

NI 218 Box
NH 365 Tank
(2) NH 368 Tank
NH 518 Box

MOWER CONDITIONERS

NH 1495 SP 12 ft hd
(4) NH 479
NH 461
(2) NH 469
NH 495 Used
NH 1112 Speed Rower Dsl cab air hydro
PT 10 Hesston, good
Case 650 SP Windrower
Case 555 windrower (Hesston)

MISCELLANEOUS

JD Gy 6'3 Pt
9' 3 pt chisel plow
NH 352 Gr Mix Recond
JD 750 Grinder - Mixer
Case 4R Stalk Shredder
JD 6'3 pt Rotary Mower
NH 450 Mower 9'
NH 451 Mower 7'
Oliver 356 Mower
Mohawk 66 Roto Cutter
7'6" Lilliston Mower
IH Rake
NH 258 rake
NH 1010 Bale Wagon, Exc
(5) Forage Wagons
JD 34 Chopper
Fox IF 546 Chopper
John Blue Dry Fert Spreader
2 B mounted plows
JD cultimulcher
(10) Used Lawn & Garden Tractors
Ontario Grain Drill
NI 324 Picker good cond
JD 38 Chopper 2 RW & WPU
JD 115 Cnuck Wagon
NH 357 Grinder Mixer Hyd

COMBINES

TR 70 15' Cab Hydro 2 6RN & Corn Head
NH 995 15 Grain Table
Case 1010 w/12' Grain Head
Gleaner E 2R wide & 10' grain head

SKID STEER LOADERS

NH 425 Rental low hours
NH L 35 low hrs ex cond
Case 1740 Dsl new engine
Gehl 4400 Gas, excellent
MF 711 good
Bobcat 600, good

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Sales. Call Lew Wood
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FARM EQUIPMENT

FARM EQUIPMENT

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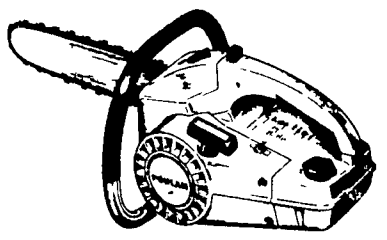
Poulan Chain Saws



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10"
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16"
21"
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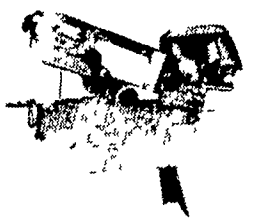
ATTENTION FARMERS

With repair prices the way they are today, it pays to be equipped to do your own repair work. We have in stock many of the machines and tools it takes for a farmer to do his own repair work. Stop in and check our prices before you buy. Or send for FREE catalog and price list. Also good prices available for dealers.

VERTICAL/HORIZONTAL METAL CUTTING BANDSAW



There s no substitute for the economy and versatility of this all ball bearing two in one power cut off/bandsaw it s designed for full efficiency and operator convenience at either vertical or horizontal positions
Extra features which are standard in this machine are instant change of positions automatic shut off at the end of a cut heavy duty stand storage shelf and more make this the best value in bandsaws today!

Complete with Stand, 4" x 6" and 10" x 10" Vertical Work Tables ¾ Horse Power Motor

$287.20

- Cutting Cap 4½" rds
- 4"x6" Rect
- Blade Size ½"x 025x64½"
- Blade Speeds 65 120 220 FPM
- Blade Guides Ball and Needle Bearings
- Vise Size 4"x5'
- Adjust 45° to 90°
- Bed Width 7"
- Overall Length 37
- Horizontal Height 36½"
- Vertical Height 58"

5 Speed Compact Drill Press	$135.65
17 piece ½" Drive Socket Set	$ 18.00

SP

STOLTZFUS PNEUMATICS

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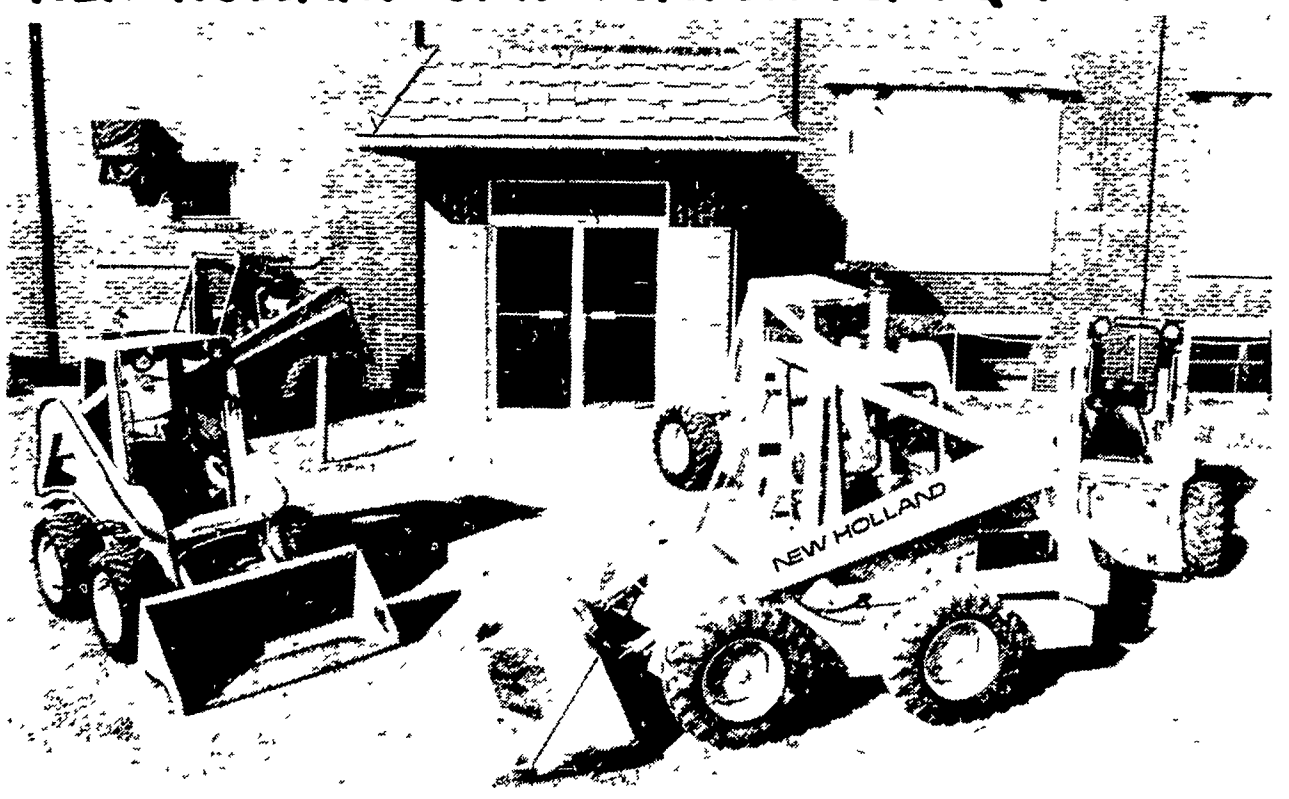
Paradise, Pa. 17562

NEW HOLLAND SKID LOADER HEADQUARTERS



MEET SUPER BOOM

That's What You'll Call a Sperry New Holland Loader After You Run One.

The SUPER BOOM lets you:
- Load the center of a tandem axle spreader.
- Do big jobs in tight spaces.
- Handle big round bales.
- Handle feed and fertilizer.

Plus:
- Integral cab and rollover structure — standard.
- Longer wheelbase for greater stability.
- Choice of six models.
  - Operating loads from 900 to 2,050 pounds (S.A.E.)
  - Gas or diesel from 22-hp. to 62-hp.

ALL MODELS IN STOCK - LIMITED SUPPLY
LARGE SUPPLY OF SKID LOADER PARTS IN STOCK

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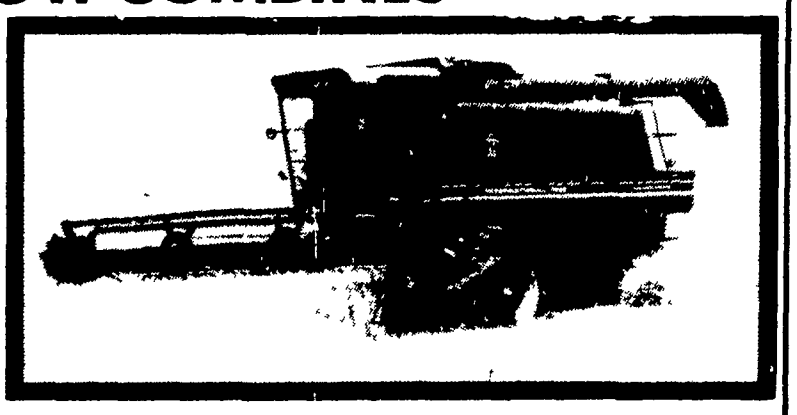
SEE THE NEW 1420 COMBINE

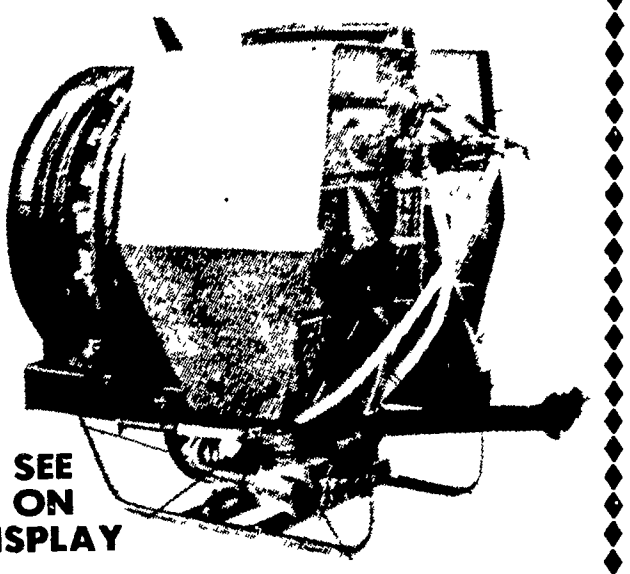
A Four Row Axial Flow Machine

Location: 88-95 and 100-127



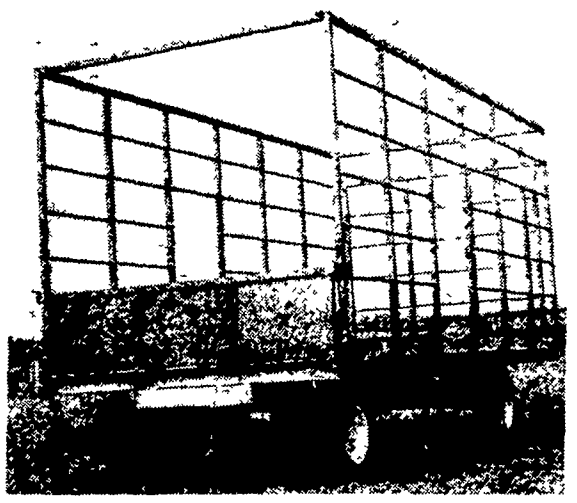
FMC

JOHN BEAN SPRAYING EQUIPMENT



SEE ON DISPLAY

LOCATION - 314-321



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ON DISPLAY OUTSIDE

See Charlie at the Steiger Booth 310 Inside

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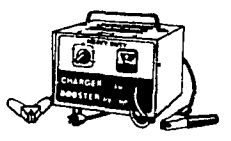
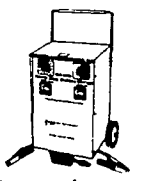
START FOR SURE WITH AN IH BATTERY CHARGER

10-amp charger An excellent choice for home and farm

15-amp charger and booster For 6 and 12 volt batteries Up to 100 amp boost



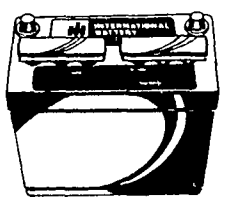
30-amp heavy duty charger and booster. For fast or slow charges on 6 and 12 volt batteries Booster has 200 amps capacity.



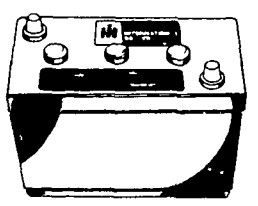
100-amp charger Ruggedly built for the busiest shops, farmers, contractors, fleet service stations, 300 amp boost capacity

JANUARY SPECIAL - 15% DISCOUNT off Regular Prices

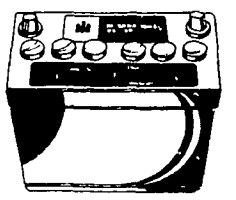
AN IH BATTERY for EVERY PURPOSE



For The Farm
This top quality battery has full size plates for big starting power It's rugged, too, with a tough, hard rubber case that stands up under rough going It's the very best battery from IH



For Trucks
Get reserve starting power with this top quality IH truck battery It has excellent cold cranking capability, resists overcharge too



For Automobiles
The durable, lightweight polypropylene case is impact and acid resistant And the thinner but stronger wall construction allows more plates more acid for more power

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#4348 - IH 1460D Hydro with 30.5x32 tires, Monitor
#4230 - IH - 915D Hydro
#4292 - Deere 95 Gas w/3 row Narrow Cornhead
#2610 - Case 660 Gas w/2 row Cornhead & 10' Platform
#2210 - IH - 91 w/10' Platform
#4140 - Deere 6600 Diesel Gear, 6 Row Cornhead & 215 flex-head platform
#4148 - IH - 815D Hydro 1972 w/744 Cornhead & 18' Platform
#4081 - IH - 80 Pull Type w/7' Platform - Price $1,400.00
#3719 - Deere - 7700D Hydro, 30.5x32 Tires, A.C. 643 Cornhead, 16' Platform

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TRACTORS

W4525 - 1971 Ford 8000D, 3959 Hrs.
W4554 - IH TD-6
W4182 - 1975 IH F1566D, 1463 Hrs.
W4556 - 1977 Deutz 8006D, 1021 Hrs.
W4557 - 1968 IH F856D, 4289 Hrs.
1972 IH F666D, 4666 Hrs
W3688 - 1976 IH F1566D, 1273 Hrs
#4316. .Allis Chalmers-1976 7040D 1747 Hours 20 8x 38 Tires
#4091 - Ford 9N. Price - $1,550.0C
#2688 - Farmall A w/Loader $1,475 00
#3426 - IH - Farmall M Price $1,250 00
#4279 - IH - 454D Utility
#4265 - IH - F706D
#2720 - IH - 4120 Skid Loader
#3874 - Steiger - St-310 Panther
IH - F656D Hydro

DISC HARROWS

#3689 - Oliver - 10' Price $995.00
#4170 - Deere Model H - 1520, 13' 24 Blades. Price - $2,800.00
#3630 - IH - 500 - 13'8"
#3950 - Krause - 1588 Rock-flex, 18'
#3244 - Bush-Hog Model 1445 9" Spacing, 21' Cut
#2349 - IH 370 - 11'6" 36 Blades
#3352 - IH - 37 - 13'8" 44 Blades
#3685 - Krause Model 1428 Rockflex 25'

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RADIO CONTROLLED TRUCKS FOR BETTER SERVICE

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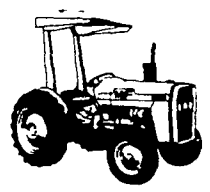
FARM EQUIPMENT FARM EQUIPMENT



MF Massey Ferguson

TRACTORS & EQUIPMENT

JD B Tractor
IH CB 275 Tractor
MF 1085D Tractor w/cab
Ford 3400 Tractor w/loader
NH 479 Haybine
NH 270 Baler w/thrower
NH 269 Baler w/thrower
MF 124 Baler
Brillion LGS 144 Pulverizer
Brillion 12' field cultivator
NH 38 crop chopper
NH 679 Manure Spreader
NI 213 Manure Spreader
NH 510 Manure Spreader

NEW M.F. EQUIPMENT

MF 275 Tractor
MF 220 Tractor
MF 50C Tractor w/loader & cab
MF 40B Tractor w/loader & cab w/Instant Reverse Transmission
MF 20C Tractor w/Cab & Loader
MF 205 Tractor
MF 30B Tractor w/Loader & Cab
MF 520 Disc Harrow 12 ft
MF 110 Spreader
MF 160 Spreader
MF 226 Scraper Blade
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MF 530 Blade
MF 33 17 Run Drill

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Tractors
AC G w/hydraulics, WD45, D10, D12, D15, D17, D19 Gas & Diesel, 160, 175, 180, 185, 190 XT, 200, 220, 5040, 5050, 7000
Ford 8N, 801, 5000 gas & diesel, 5600, 9000 w/cab
MF 35, 165, 180, 1085, 175 gas
JD 50, 60, 730 Gas & Diesel, 1020 w/loader, 3020, 4010, 4520, 4020
Farmall Cub, M, 340, 400, 460, 504, 544, 560, 574, 674, 656, 756, 856, 1066
Oliver 2150 4 wheel drive, 1855
Case 870
David Brown 1210 w/loader

Industrial Equipment
MF 2500 diesel Fork Lift
Used Tractors w/front end loaders, 3 pt hitch, & Power Take Off
AC D17, 160, 185
Ford 801, 3500
MF 202, 204
IHC 2400A
JD 300

Crawler Dozers
AC H3, 653
JD 1010 w/winch, 450, 450C
Cat D4D
IHC TD 8 Series E

Crawler Loaders
AC H3
IHC T340 w/4 in 1 bucket, TD9 Direct Start 4 in 1 Bucket
3 JD 440 B Skidders

Skidsteer Loaders
JD 1700
Case 1537
Large Selection New and Used New Idea 1 & 2 row Corn Pickers w/husking beds & Shellers
Corn Heads
Gleaner 240, F335

Mower Conditioners
Hesston PT 10
NH 460, 461, 467, 469, 477
IHC 990 7 ft.
Gehl 880
NI Cutditioners 270,272, 279
Automatic Reset Plows
IHC & JD 3 bottom, 3 pt. hitch mounted
IHC 5 & 6 bottom Semi Mount
IHC 4 bottom Trailer

Manure Spreaders
NI 206, 213, 218, Tandem
NH Barrel Spreader 345 Right hand
Badger 160
JD 40
AC 140
Large Selection New New Idea & Starline Manure Spreaders on Hand for Immediate Delivery
Electric Feed Cart
New and Used 3 pt Hitch Snow Blowers
New and Used 3 pt hitch Log Splitters & Wood Saws
Large Inventory new Car, Truck, Tractor Tire Chains
25 Used Snow Plows - Various Sizes and Mountings - Call for Information
New Brillion Culti-Packers Seeders
Check our Prices on New Full Vision Cabs to fit JD 3010 thru 4620, 4030, 4230, 4430, Ford 8000, 8600, 9000, 9600
Used Cabs from Farmall 856 & Ford 8000
Think Investment Credit - Good Time to Buy
Deferred Terms on many New Items

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FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

USED TRACTORS and EQUIPMENT SPECIALS

Case 530 gas wide front axle with Draft O Matic 3 pt hitch — $3,900.00
Cobey wagon with McCurdy Gravity Bin — $625.00
Case 1816B Uniloader with 44" wide bucket & good tires — $3,900.00
Case 2 bottom spring trip plow excellent — $485.00
Oliver 1550 gas tricyle tractor w/2 speed shift — $3,900.00
IH Model 3414 Backhoe & loader — $5,900.00
Case 580 CK Diesel Backhoe & Loader Tractor — $7,800.00
Used DMI dual wheel kit with used 18 4x34 tires, Complete set — $625.00
Oliver 550 gas tractor good rubber motor overhauled 1 year ago — $2,900.00
Used tag a long trailer haul about 3½ tons — $985.00
Case 530 gas tractor tricycle type with Draft o Matic — $3,485.00
Mohawk 7 tooth chisel plow 3 bar with gauge wheels less tires — $785.00
Athens 7 tooth chisel 3 bar nice — $980.00
Several small used disk harrows — Make Offer
Case David Brown 990 Diesel tractor with loader — $6,500.00
Oliver 2 Bottom Plow spring return when lifted — $465.00
Brillion Sprocket packer around 10 foot wide — $375.00
J Deere transport disk — $585.00
New Idea Model 219 Manure Spreader with Slop pan excellent condition — $2,585.00
Allis Chalmer TL loader tractor with large bucket and pallet tines front wheel drive lift around 3 tons with Torque converter — $4,200 00
Case 580C Canopy Diesel Backhoe and loader tractor low hrs Power shuttle — $21,800.00
Electric Wheel Wagon with McCurdy Model 190 Gravity bin — Like new $735.00
IH Model 1586 Diesel Tractor with Cab Air Heater with 20 8x38 axle duals like new less than 600 Hrs — $29,800.00
IH 4 row cultivator 2 years old — $985.00
IH TD9 crawler loader tractor nice — $8,700.00
New Tri Star Round Bale Feeders — $127.00
John Deere 5020 Diesel Tractor with 903 Cumins V8 Diesel engine about 2 years old, with Rebuilt rear in tractor — $12,800
New Bervac Snow Blowers in stock
Axle duals 18 4x38 for IH 856 tractor with tires — $785.00

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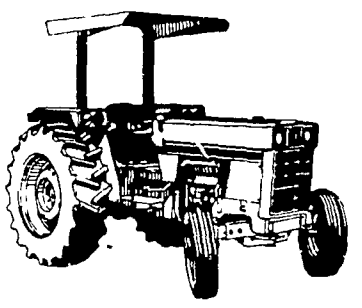
FARM SHOW SPECIALS
At R.S. HOLLINGER & SON INC.

684-62 PTO hp



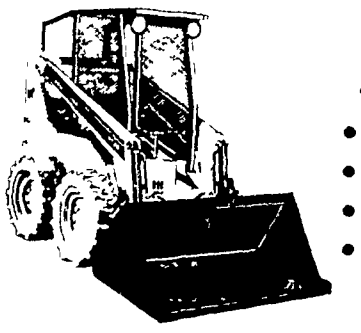
584 - 52 PTO hp

ALL THESE TRACTORS IN STOCK AT OLD PRICES

886 - 85 PTO hp

686 - 69 PTO hp

International® Hustler Compact Loader

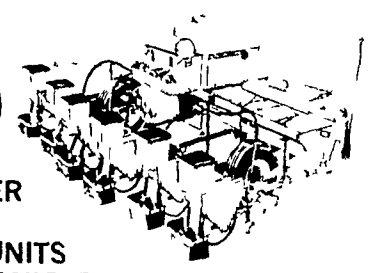


4130
- 25 hp
- 815 lift cap.
- 85½ in dump ht.
- 46¾ in. wide

DEMONSTRATOR ONE ONLY $6900

International® 400 Cyclo® Planter

4 row Wide or Narrow
NOW ONLY
$5400
INCLUDES
- DRY FERTILIZER UNIT
- INSECTICIDE UNITS
- SEED FLOW MONITOR



BE SURE TO SEE THE NEW 1980 CADET
(Built Like the Big Ones) AT THE PA. FARM SHOW

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FACTORY TRAINED SERVICEMEN
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MON. THRU THURS. 8 to 8
FRI 8 to 5:30, SAT. 8 to 3

75 MASSEY FERGUSON COMBINE

760 hydrostatic drive
16' cutter bar header for soybeans
24.5 x 32 front tires
900 x 24 rear tires
Air conditioning
Straw chopper
Deluxe seat
Low hours on this machine

A real buy - $25,000

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Townsend, DE
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TRACTORS

JD 4320 Dsl.
JD 4020 Dsl. Synco Range
JD 4020 Dsl. w/Power Shift
JD 4000 Dsl. SOLD
JD 4030 4 post quad shift
JD 3020 WFE
JD 3010D
JD 2630D 15-5-38 tires, Hi-L[SOLD]nt. PTO
JD 2630D RU w/146 Loader
JD 2030 Dsl. HU
JD 1520 Gas
JD 720 Gas
JD 520
JD 820 Dsl. 2 cylinder
IH 1066 w/cab
IH 1206, very nice
IH 856 Dsl. WFE
IH 826 Dsl., Cab, WF
IH 706 Gas
IH 706 German Dsl. WFE
IH 686 Dsl. w/roll guard, 700 hrs., like new
IH 656D WF
IH 504 w/2000 Loader
IH Super MTA
AC XT 190 w/cab
MF 285 Dsl, 900 hrs.
Case 930 Comfort King
Case 1030 Dsl. w/cab
Ford 5000 Dsl, 8 spd.
Oliver White 2255 cab & air, Cat V8 Eng.
Oliver 1855 Dsl.

PLOWS

Auto. Spring Reset
IH 700 5B 16"
IH 710 4B SOLD
IH 710 5B 18"
IH 710 5 or 6 Base 18" on land hitch
Semi-Mounted
IH 550 5B
IH 540 4B
Oliver 566 5B
JD 145, 3, 4, & 5B

DISCS

JD 220 18' Foldup
JD BWF, 16' thru 20' wing
JD BWA, AW, 12'6", 13'10"
IH 370 13' & 14'
Oliver 252 11'

ROLLER HARROWS

Brillion 12' Roller Harrow
JD 12' Roller Harrow
JD 18' Transport Harrow

CORN PLANTERS

JD 7000 6R Conservation (like new)
JD 7000 4R N (used)
JD 7000 4R W (new)
JD 7000 6R N (used)
JD 1440 4R no-till (like new)
JD 1240 4R SOLD Plate & Plateless
JD 1240 Plateless 4R, Liquid w/pump, like new
JD 494A 4R Liquid Fert.

BALERS

NH 315 w/thrower (new) $5900.
NH 276 w/thrower
NH 273 w/thrower (like new)
JD 336 w/30 ejector
JD 214 W

COMBINES

MF 510 Dsl. Air, 13' grain platform, PU reel & Auto Platform height control.
IH 203 w/grain platform fair, $1475.00
Gleaner G, Cab, 13' Grain Platform, w/PU reel & auto platform height control
1975 JD 3300 w/cab, 13' grain platform, PU reel, floating cutter bar, 900 hrs.

HARVESTERS

JD 16 A Flail Chopper
JD 3800 SOLD/choice of head

MOWER CONDITIONERS

NI Hesston 110 SP
JD 1209
NH 469
NH 467

(NEW) NEW HOLLAND 256 RAKE w/RUBBER TEETH
$1,475.00

MISCELLANEOUS EQUIPMENT

IH 50 4-row stalk shredder, new in '78
JD 243 Snapper Head w/Harvester Attach.
Brillion Alfalfa Seeder, 10 ft. Transport Type (new)
Nicolson Hay Tedder PTO.
NI 4 row stalk shredder
Myers Snow Plow for Farmall A thru 140

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So. 5th St., Emmaus, Pa. 18049
215-965-5203

FARM EQUIPMENT

FARM EQUIPMENT

INTERNATIONAL AGRICULTURAL EQUIPMENT

USED TRACTORS

IH 674 G, recond. & paint 8,250
IH cub engine w/electric start. 500
Farmall M 1350
IH 656 gas hydro utility w/2000 loader 8,500
Farmall 766 diesel, tricycle 13,500

USED COMBINES & CORN HARVESTING

JD 40 self-propelled 2000 1500
AC Gleaner C w/grain platform . Coming In
Oliver 525 w/11' platform, 2-row corn head 8,500
MH 82 self-propelled 3,400 3,000
NI 731 4R wide . . . . . 4,800 4,600 reduced
NI 6A 2R wide, pull 1,200
IH 234 MT w/sheller 2,800
NI 324 sheller, 2R wide 3,800
IH #64 6' w/cub engine. 500
NI #7 1 row corn picker 600

MISCELLANEOUS EQUIPMENT

IH 175 spreader 950
IH 155 Spreader 900
Hawk Bilt 205 spreader 850
JD tub spreader 1,000
NH w/upper beater 1,400
Ford 170 bu. 900
Several used Hawk Bilt spreaders . . . . . as is 450

USED HAY & FORAGE EQUIPMENT

430 IH All-twine baler 3,850
NI 760 forage unit for Uni 2,000
NI 763 3R narr. harv. hd. 1,200
NH 818 harvester w/2 heads 800
IH 550 harvester w/2 heads 2,950
Gehl harvester, 1 row head & pickup head 600
Hesston PT10 mower conditioner 1,950
Gehl blower, hi-throw, excellent 950
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3 IH 990 mower conditioners, 9' . . 2,600 ea.

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For Sale - 12 DeLaval stainless steel feeders for double 6 Herringbone milking parlor, also 4 green vacuum controllers in good shape. 215-256-9343.

For Sale - Outside calf hutches w/metal roofs & feeders. Stoltzfus Woodwork, RD2 Gap, PA 17527 along 897. 717-442-8972

For Sale - 400 gal. Jamesway milk tank with 4 h.p. Tecumseh compressor. Real good condition $1,000. 215-445-5273.

For Sale - Complete milking system. Includes 4 Bou-Matic milker pails with electric pulsation, Kesco dumping station, vacuum pump and line and 500 gallon Girton bulk tank. 215-488-6835.

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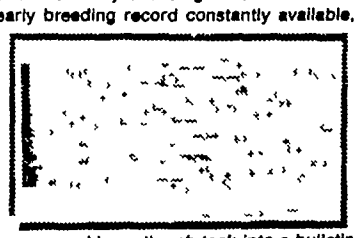
50 cow size costs $44 95 is 24" x 42 has mounting straps, and can be wiped clean



Keeping records is as easy as pushing a thumb tack into a bulletin board

Each cow s name or number is placed in the left margin on any of the 50 horizontal lines using embossing tape (shown above) or use felt tip or grease pens Color coded pins are then placed on that line to record the dates of breeding and freshening

In Lancaster area call (717) 426-3639

ATTA GLANCE CHARTS
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DAIRY EQUIPMENT

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For Sale - 300 gal. Esco milk tank with compressor $300, Cecil Co., MD 301-755-6951 Gilbert Collins.

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LIVESTOCK & SUPPLIES

For Sale - 2 close springing grade Holstein heifers, $1100 each, 1 fresh Reg. Holstein milking over 70 lb. day, second calf. $1400. 717-548-2184.

Bulls For Sale - Elevation son from 87 pt. Astronaut w/over 900F. 2nd dam 87 pt. Chief w/over 1000F. Jerry son from 88 pt. Rockman w/over 25000M 1000F. Both are ready for service. Call Junge Farms, R1 Box 112, New Tripoli, PA 18066. 215-298-2334 ask for Ray or Jay.

For Sale - 2 Holstein springing heifers, 717-464-3752.

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For Sale - 8 Reg. Angus Cows, These are quality cows from some of the top bulls in the breed, Priced reasonably. For more information call 215-857-2168.

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For Sale - 3 Belgain colts, same mother and father, farm show champion father. 1 pair mated strawberry roans, 2 yr. old gelding, 3 yr. mare, 1 sorrel mare yearling, must be seen to be appreciated. Adams Co. 717-642-8722.

For Sale - 3 Simmental bulls, ¾ blood, 350-450 lb. PH: 717-799-5306.

For Sale - 8 bred Holstein heifers, 7 Holstein cows. Berks County 215-689-5895.

For Sale - One 8 yr. old standardbred carriage horse, family broke David S Blank, Kinzers, Pa. along Amish Rd.

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LIVESTOCK & SUPPLIES

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For Sale - Quality purebred Hampshire boars from good stock. Reasonably priced. Stauffer Homestead Farm, Rt. 2, East Earl, Pa. 17519. 215-445-6209.

Herd of 32 young Holstein cows in good production. Like to move around Feb. 1. 717-229-2055.

For Sale - herd of young Holstein cows, good producers, some are registered, also heifers, breeding age and older, some will come fresh in summer, 301-358-0412 8 a.m. - 9 a.m. or 8 p.m. - 9 p.m.

For Sale - 3 springing Holstein heifers, $1050. Lancaster Co. 717-653-8703.

For Sale - Registered Finn Rams. 717-259-9459.

For Sale - 33 heifers, 4 milking, 20 bred, 9 open, 1 heifer due soon. 717-653-5453.

For Sale - Registered Elevation heifer dam, 84 pt. Ivanhoe Star, 171,000M due Jan. 8 to Conductor $2700 717-687-7845.

For Sale - 2 Registered Holstein heifers Elevate Ivan A1 RORA Elevation sires due middle of Jan. 301-692-6732.

For Sale - 20 mo. Registered Astronaut son, Dam VG 87 with 25,000 milk, next dame EX with 20,000 milk & 900 fat. Other service age bulls by Elevation & Pacemaker. Lalisa Holsteins, New Berlinville, Pa. 19545. 215-367-0134.

For Sale - 2 first calf registered Guernsey heifers, rebred, nice disposition, Adams Co. 717-359-4383.

For Sale - Holstein heifer, just fresh, extra nice, 717-786-2839.

For Sale - Springing Holstein heifers, very good quality, artificially bred. 717-665-4743.

For Sale - Feeder Pigs. We aim to please. 304-586-2823.

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Ph: 717-272-9827

LIVESTOCK & SUPPLIES

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For Sale - 15 grade heifers, springing, some close, all should be fresh within 60 days, Ph: 717-649-5861.

Chester White Boars, Service Age, can deliver, Doug Hancock, Juniata Co. 717-734-3619.

For Sale - 14 gates, various lengths for cattle or hogs. 7 Starcraft waterbowls for cattle or hogs. Excellent condition. Medicator 1 ounce per gallon, 24' tobacco ladder, no running gears, after 7 p.m., 717-285-3632. Lancaster County

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For Sale - Well broke pony & cart harness. Best offer. Ph after 6 P.M. 301-655-0698.

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6 Yorkshire Boars, 3 Duroc Boars, service age. John E. Stoltzfus, Gap RD #1, Box 467, Pa. 17527 Millwood Road

For Sale - Herd of young Holstein cows, artificially sired, also 11 heifers, bred in October, mostly Jet Stream Breeding, please call 8-9 a.m. 301-578-1224.

LIVESTOCK & SUPPLIES

For Sale - Chester White, Spotted & Poland China boars & gilts. Raised in groups from championship bloodlines. James Parlett, Airville, Pa. 717-862-3610

Wanted - Herd of dairy cows or heifers, 301-358-0412.

For Sale - Service age boars, Hampshire & Berkshire. Delivery available. Terry Bennecoff PH: 215-285-6582 or 215-285-6581.

For Sale - Beautiful purebred Arabian gelding Bay, 11 yrs. old, well trained for pleasure & trail riding. Any child can ride him. $1500 or best offer. 717-285-3208, 285-3757 or 393-6711.

For Sale - BLACK ANGUS-CHIANINA CROSS, bred heifers and cows, 717-872-2436.

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For Sale - Feeder pigs. York & Lancaster. PH: 717-927-6369.

Service age Holstein bull, sired by Ransom Rail Pacemaker, Dam VG85 at 2 yrs., next 3 dams also VG High testing cow family $700, Call or Write Rod Wood, Woodson Farm, MR2 Pennsburg, PA 18073 215-679-2065.

LIVESTOCK & SUPPLIES

For Sale - Service age Holstein bulls. Dams classified VG with records to over 24,000M & 1,000F. John Stump, Bernville, Pa. Ph. 215-488-1965.

Wanted - Entire dairy herd, also, bred Holstein heifers. Will pay $25 more per head than the going price. Don't sell until you call me. Call collect - Reuben Greenberg, Inc., Columbus, NJ 609-298-1021.

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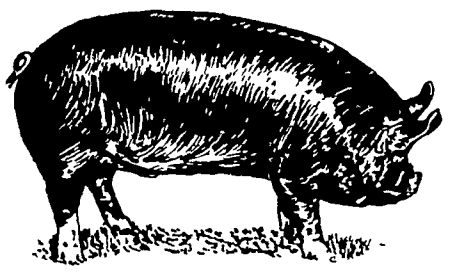

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Judge - Gale Bressner
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For Sale - Alfalfa hay; alfalfa haylage 200 ton; corn silage 400 ton; in upright silos, unloader to take out. New Oxford area. Call 717-624-2086 before 9 A.M. or noontime.

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For Sale - Good quality mixed hay, no rain. Wanted 4-16 mounted plow. 717-745-3319.

FEED & SEED

Wanted - Corn or Hay Silage. J. Allen Dehmey, Middletown, PA 17057 Ph: 717-944-3069.

For Sale - Corn silage, Port Royal Area, Juniata Co. 717-758-3252, 717-761-0651 after 8 p.m.

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Top quality hay, straw, oats, steer hay $40 per ton and up. Mulch hay, call before 7 a.m. or after 7 p.m. 201-735-8389 or 201-735-4408, Daytime 201-735-8865.

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Person needed to assist herdsman in milking and herd health care, milk parlor, freestall operation, 5 day work week, housing available, Glenn Williams, Rd 1, Walnutport, PA 18088 215-767-4827.

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Farm related job. Responsible person with ability to get things done. Heisey Farm Service, Rd 2, Mt. Joy, PA 17552, 717-653-1568.

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Part time work livestock farm Montgomery, Bucks Co. Experience dairy & field work. 215-368-6734.

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Young married assistant dairy man and farmer, experienced milker for Guernsey herd. House with hot water heat and utilities furnished, 6 day week, paid vacation, Blue Cross & Blue Shield insurance paid, references desired. Call between 6 a.m. & 4 p.m. 717-741-1581, after 4 p.m. 854-6660. Leader Farms, 100 Leader Heights Rd., York, PA 17403.

Person to help with general farm work on a dairy farm in Lancaster area. 717-656-7305.

Herdsperson, experienced, 100 milking cows, near Chestertown, MD. 302-764-4863 weekends or after 6 P.M. weekdays.

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TRUCKS

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TRUCKS

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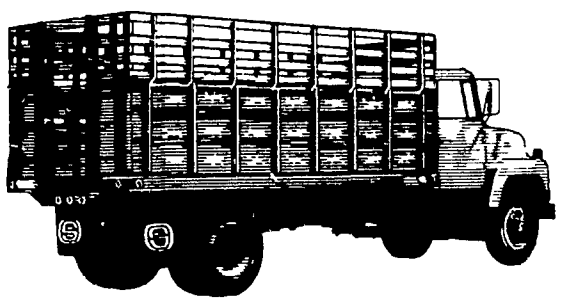

1979 GMC 35, 10,000 GVW, 350 V8, 4 speed, Ziebart Rust Proofing with Omaha Standard 9½' platform, 40" steel grain sides, 26" cattle fold down racks, Omaha 46 DA hoist, 175 bushel capacity.
SPECIAL PACKAGE PRICE **$9,650.00**

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Like new describes this **1979 INTERNATIONAL SCOUT FOUR WHEEL DRIVE.** Less than 6 500 miles on this yellow & brown beauty 6 cylinder, automatic power steering & brakes radio A low price of
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Make this **1979 MERCURY BOBCAT** part of your future Only 4 400 miles 4 cylinder engine for great gas mileage Bucket seats radial tires radio
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$1800

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1976 RENAULT R-12 WAGON. 4 cylinder 4 speed bucket seats vinyl interior
$1890

Stock No 1086A
1971 PLYMOUTH FURY WAGON. Automatic power steering radio air conditioning roof rack 68 000 miles
$690

Stock No 0002A
4 speed 6 cylinder on this **1974 FORD MUSTANG II HATCHBACK.** Air conditioning radio bucket seats road wheels 47 000 miles A good buy at
$1990

Stock No 1032A
1976 DODGE ASPEN WAGON. 47 000 miles 6 automatic power steering & brakes radio roof rack simulated wood paneling
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Stock No 90325B
1976 CHEVY CAMARO 2 DOOR HARDTOP. 52 000 miles V 8 automatic power steering radio
$3490

Stock No 9126
1973 DODGE POLARA 6 passenger wagon Clean Small V 8 automatic power steering radio
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Stock No 7546B
Just painted — A nice car with only 73,000 miles 1974 **DODGE DART SWINGER 2 DOOR HARDTOP.** Automatic power steering air conditioning radio
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1976 FORD LTD 2 DOOR HARDTOP. 35 000 miles V 8 automatic power steering air conditioning radial tires
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1977 DODGE MONACO 2 DOOR HARDTOP. 56 000 MILES V 8 automatic power steering & brakes radio Not a bad car for
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1976 DODGE B-300 MAXI-VAN. V 8 automatic power steering air conditioning V 8 2 bucket seats
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Stock No 93531A
1978 FORD RANCHERO GT. V 8 automatic power steering bucket seats road wheels
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1968 Ford F800 with Omaha standard dump grain body. 44,000 gross vehicle weight, $9000.
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For Sale - All Nighter wood stove with circulating fan and fireproof baseboard. Heat shield available like new, 215-298-2774.

For Sale - Complete Style Craft Kitchen with stove, sink & garbage disposal Very good condition Call 215-267-5517

PLANTS

WANTED TO BUY

Puppies, 7 to 9 weeks old, in litter lots. Pure breeds and half breeds. Cash money paid. Will pickup every Wednesday. For resale in my pet shop. Write to Charles Hackett, 3743 N. 5th Street, Philadelphia, PA. 19140 or call before 7 p.m. Mon., Tues. & Thurs. only 215-229-0449, Give breed-age-color when writing. Also some kind of direction. Thank you

PETS

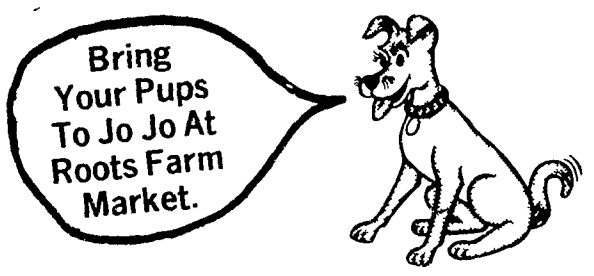
For Sale - White purebred German Shepherd pups. Born Nov. 25, 1979. Mervin Stoltzfus 717-442-9037.

PETS

AKC Blue Mearle male shetland sheep dog, 6 mo. old, $100 or will trade on older sable male. AKC Boston Terrier male pup, $85. York 717-757-3306.

MISCELLANEOUS

For Sale - Cypress boards, all sizes & lengths. Good for paneling, fencing & siding. Ph: 215-268-3263.



CASH FOR PUPS

I need Purebred and extra cute mixed litter lots, 6 to 8 weeks old Clean and healthy for resale as house pets Contact "Jo Jo The Dogman" at Roots Farmers Market, RD1, Manheim, PA Every Tuesday 6 p m to 9 p m (No Phone Calls)

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Motor Homes; 1971-21' Aristocrat, sleeps 6 Air, 350 Chevy, Auto. Excellent $4975.00 1971-27' Winnebego Air, Generator $6975.00, Trade, Finance 814-793-2829
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Curryville, Penna

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Work Shirts and Pants 6/$14 00, Coveralls 3/$21 00, Jackets 2/$9.00, Leather Gloves 6 pair/$19.00 Catalog $1.00. Call 203-574-4090. Sara Glove Co., Box 4069-C 84, Waterbury, Conn. 06704.

For Sale - Horse drawn sleighs & buggies & horse related equipment 301-398-5696 after 7 P.M Cecil Co., MD.

Organ, console, full pedal with bench, excellent condition, must sell or trade equal value. 215-944-7851

For Sale - 230"x6" Stroke belt sander, adjustable height table, 3 h.p. 220 volt electric motor, used only few times, all metal solidly built frame, $1,000. 215-445-4280.

For Sale - Wood stoves for stripping room, etc. Will burn large chunks. Jacob M. Stoltzfus, Rt. 1, 2870B Church Rd. Bird-In-Hand, Pa. 17505.

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For Sale - One pair of heavy cast iron axle duals with 18-4-38 tires. Call 717-786-3304 or 717-786-1438.

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MISCELLANEOUS

For Sale - Firewood, seasoned oak and other hardwood. $75 cord. 717-569-7397 or 717-653-8243.

For Sale - Aluminum windows w/screen. Awning window & basement sash. Cast iron butcher kettles & doors. Copper kettles, all sizes. Jacob E Fisher, R3 Quarryville, PA 17566

Button on elastic suspenders, striped or solid in dark colors, X long or Med. size. $2.30 post paid. Amon W. Nolt, N. Maple Ave., R.D. 1, Leola, Pa. 17540.

Used Cookware, stainless steel, 20 pc. set, $100 less new price. 717-626-2212.

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Quartz battery clock movements. These movements fit our ready bored and sanded walnut plaques. Also numeral and hands available. Wholesale or retail. Contact M. & E. Woodcrafts, 2700 Willow Street Pike 17584. Phone between 12 and 5 P.M., 717-464-4155.

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Build a 30' x 20' pole barn or shed. Detailed plans $3.00. P. Jurchak, R.D. 3, Meshoppen, Pa 18630.

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Logging Equipment: John Deere 440A Diesel Log Skidder $7500.00. 1974 John Deere 540A $14,500.00. C5 Tree Farmer $8500.00. John Deere 350, Rophs, Winch, 6 Way Dozer $12,000.00 Trade, Finance, 814-793-2829.
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Also Crippled & Down Cattle
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Over 400 Stoves & Inserts in stock & more coming.
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You can eliminate or drastically reduce your heating costs with the SFB-3 WOOD FIRED BOILER
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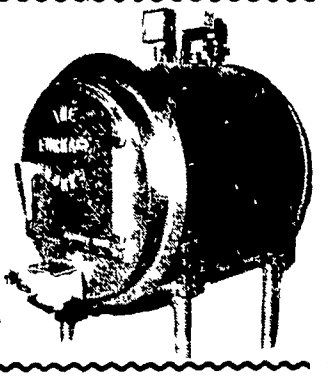

Rt. 94 North, Hanover, Pa., Midway between Hanover & Crosskeys (US 30) Phone no. reserved for customer service
Hours Mon.-Fri. 12:30 to 8 P.M.

REAL ESTATE

Pocono Mts. Hideaway, 9 acres-wooded & secluded. Write P.O Box 366 J-116, c/o Lancaster Farming, Lititz, PA 17543

For Sale - 20 acres woodland at base of Tuscarora Mountain, Juniata Co Beautiful cabin site, sale by owner. Call between 7 30/and 4 P M 717-436-2500 A M.

For Sale - 100 acre Dairy farm with 10 stanchions & pipeline. 90 free stalls, 2 silos near Greencastle, PA 717-597-7737.

For Sale - 300 acre farm w/100 cow free stall bank barn, 5 silos, double 6 Herringbone parlor, machine storage, 40x80 shop, 200 extra acres available. 4 bedroom frame house w/alum. siding, wood burning stove w/electric heat, 2 car garage. Stream thru pasture, good springs. By Owner. Write Box 366 R-72, c/o Lancaster Farming, Lititz, Pa. 17543

For Rent - Modern 6 room country home, near Eden, either cash rent or partial exchange for lawn and maintenance work, 717-392-6127.

Wanted to Rent - Dairyman with cows and machinery needs facility for 60-100 milk cows, references available. Write Box 366 L-78 Lancaster Farming, Lititz, PA 17543.

For Sale - Perry Co. 1-12 acres wooded lots, approved 717-438-3115

For Sale by Owner - 309 acre farm, room for 125 cows plus young stock, 2 silos, 4 bedroom home, feed and crops go for $210,000, $175,000 assumable mortgage at 7½% 20 yrs., cattle and machinery available. Call 315-788-0487 or Write Rt. 1 Box 330, Watertown, NY 13601.

Dairy Farm For Sale - Northumberland Co., 134 acres, 120 tillable, good water supply, 37 tie stalls, straw shed enclosed, 3 bedroom home, well maintained. 717-275-3799 after 6 p.m.

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF-1, WEST REAL ESTATE AGENCY, INC., 2728 Murray Ave., Pittsburgh, Pa 15217

FARM NEAR TOWN
Troy, Pa. vicinity in Bradford County; 130-acre farm ideal for dairy or possible beef cattle; 70 acres tillable; 30 in woods; 2 streams; approx half mile highway frontage plus secondary road frontage, 9- room & bath home has gas heat and excellent front porch, barn with 30 stanchions, 2 box stalls, barn cleaner, milk room, 14x40 concrete silo, corn crib, storage sheds, full particulars upon request No 7882 WEST REAL ESTATE AGENCY, INC, Office 111 Main St, Troy, Pa 16947, Phone: (717) 297-4046, or 297-2777

REAL ESTATE

For Sale - Adams C 15 ac open land, good building site, 4 ac. fenced pasture w/stream and small barn Gideon Stoltzfus, RD#1, Blain, Pa. 17006.

For Sale By Owner - House & 60-90 acres of farm land located in Chrome, 2 miles Southeast of Oxford, Pa. Amish in area. Owner financing available. Chester Co. 215-932-2030.

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Exciting Seasonal Edition. Catalog! Over 5,400 country properties described, pictured! - Land, Farms, Homes - Waterfront, Recreation, Retirement buys! Yours FREE from the World's Largest!
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For Sale - Modern egg farm, 30,000 layers, 2 cage units, automatic feeding, cable cleaners, process your own eggs & get top dollar with established markets. For details phone 412-459-9110.

31 acre idle farm, 9 rooms and bath house, partially remodeled Sullivan Co., PA Asking $45,000. Write Box 366 R-73 Lancaster Farming Lititz, PA 17543.

Dairy Farm For Rent - Huntingdon Co 125 acres with 6 room house, bulk tank, 38 stalls, 2 silos, etc. Ph 814-447-3203

For Sale By Owner - 2½ story frame house, 36x48 barn, approx. 3/4 acres on bottom of Reservoir Rd., South of Strasburg, Toward Iva. 717-687-8412.

For Sale - To settle the estate of Harry R. Warehime, Northern York Co., 108 acre farm in the heart of Barrens Valley 4 mile from Dillsburg, all open level ground with 4 acres woods, prime land, lots of road frontage. 8 room brick home with bath & furnace, 2 good drilled wells, large barn, practically new corn barn & implement shed. Call for Appointments 717-432-5582 or 717-292-3235.

Wanted to Rent - Tillable acreage for 1980. Short or long term lease. P.O. Box 12, Dalmatia, Pa. 17017. 717-758-3252.

Farmette - 5½ acres, 2½ story, 5 bedroom house/spring house, 40x80 bank barn, 3 car garage, out buildings, located in Piketown, PA near Racetrack, $89,900 717-469-0467.

Wanted To Rent - Dairy farm with option to buy Will upkeep buildings Stanchion barn preferred for 40 – cows Adams, Cumberland Perry, Juniata, Dauphin, York, Lancaster Lebanon Berks counties Write P O box 366 J-115, Lancaster Farming, Lititz, PA 17543

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022

REAL ESTATE

For Rent: 128 Acre Farm, 4 miles from Hershey. Approximately 70 acres tillable and 40 pasture. House is four bedroom, 2 fireplaces, storm windows and siding. Also, 3 bedroom tenant house, adjacent 3 acres pond, barn and creek. Will consider sale. Call 1-717-652-2834.

Wanted - One farm with a milk jugging store. Call after 7 P.M. 215-635-2298.

WANTED TO RENT

Farm land in Landisville - Mt. Joy & Marietta area for spring of 1980.
Write P.O. Box 366 L-77, Lancaster Farming, Lititz, PA 17543.

90 ACRE GENERAL HORSE CATTLE FARM WITH BUILDINGS

4 mile to exit 2 & 3 off I83. Will help finance.

KALTREIDER REALTY
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FOR SALE

209.6 acres gently rolling farm in western Snyder Co. 160 productive tillable acres (½ is limestone), 20 acres pasture, 30 acres woods, 2 large bank barns, 2 houses, $240,000.

— Also —

10 acre farmette with small stream, $30,000.

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DON'T MISS THIS ONE
80 ACRES

New barn for 40 cows, loafing area with bunk feeder, manure pit, new milk house with 800 gal bulk tank, diesel power plant, new horse stable, 2½ story dwelling.

NEW LISTING

Nittany Valley 100 acres, 2½ story frame dwelling & frame bank barn. Owner Financing.

NITTANY VALLEY
85 ACRES

2½ story brick & frame dwelling, large bank barn, equipment shed & other outbuildings. Owner financing, 10% down 1979, 10% down 1980. Interest only for balance of 1980 at 8½%, 1981 principle & interest for a term of 15 to 20 yrs. at 8½% interest

NITTANY VALLEY
83 ACRES

Dairy barn with 35 comfort stalls with an attached horse stable, equipment shed, 14 x 40 silo, 500 gal bulk tank, large frame dwelling

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LEASE QUALITY DAIRY CATTLE
Various plans available.
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Dairy Farm Leasing
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37 ACRES

Solid barn, hog shed, wagon shed & other out buildings Considerable road frontage, public sewer available, stream 30 acres tillable Near Exit 10 of I-81, 2 miles East of Shippensburg, PA, Cumberland Co $62,000

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Evenings-Stan Spencer
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COLUMBIA COUNTY
88 acre General Farm, 70 acres tillable. Real nice land.

CENTRE COUNTY
100 acre 40 stanchion dairy, 90 acres tillable, silo 20x60, machine shed, limestone soil.

CLINTON COUNTY
Between Nittany Valley & Sugar Valley. 180 acre general farm, real nice farm ground, large barn, nice house.

CHESTER COUNTY
60 acre dairy farm.

NITTANY VALLEY
CLINTON COUNTY
141 acre general farm, $95,000.

We have many other farms.

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Ephrata, Pa. -Office
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FARMS FOR SALE

55 acres, 47 tillable, 7 pasture, no buildings, East Drumore Twp., Lancaster Co

77 acre dairy farm, ready to go, Little Britain Twp, Lancaster Co

179 acre investment land in York Co $1100/acre

58 acres open land, Strasburg Twp, Lancaster Co

48 acres with buildings, Strasburg Twp, Lancaster Co

55 acres, 46 tillable, 5 pasture, large barn, silo, tobacco shed for 10 acres, poultry house for 18,000 layers, 4 BR brick home, East Drumore Twp, Lancaster Co

80 acre dairy farm, near Oxford, Chester Co

Call for details & Appointment for showing

FREDD-EDDY Realty, Inc.

Quarryville, PA
717/786-3356

REAL ESTATE

Two Farms For Rent - 140 acres total, one home, suitable for cattle, 40 acres of meadow, 100 acres tillable. Elizabethtown area. Write P.O. Box 366 L-74, c/o Lancaster Farming, Lititz, PA 17543.

WANTED

1 to 2 acre building lot in Gap, Atglen, Christiana, or White Horse area. Not in a building development. State exact location & price.

Write P.O Box 366 J-112
c/o Lancaster Farming
Lititz, Pa. 17543

700 acres in Bedford County, mostly tillable, level land, must be sold. 290 acre, modern dairy, Adams county, 5 other farms. 42 acres, modern broiler setup for 100,000 birds near Shippensburg. Very nice.

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New Oxford, Pa.
Phone 717-624-8201

SHEETZ REAL ESTATE
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323 W. Main St.
Mount Joy, PA

CALL 653-1481

FARM LISTINGS NEEDED

Farm Salesman-Eugene Kreider

SMALL DAIRY FARM SET-UP
LANCASTER COUNTY

Large barn with 25 stalls, silo, milk house, and loafing area. 4 bedroom and 1½ bath stone house. Priced to sell today at $69,900.00.

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310 acres, 220 tillable, honeoye soil, barn for 80, 2 silos, parlor, machine storage, 2 houses **$210,000.**
Owner financing Registered herd and equipment available

132 acres, basement barn, 36x80 with 30 ft shed, silo, 2 houses . . . . . **$128,500.**

300 acres, 210 free stalls, Harvestores, 20x70 and 25x80, 24x60 concrete, tank, parlor, 3½ bath house, tenant house, **$375,000.** Owner financing Also 160 acres available

20 acre dairy farm, barn with 65 tie stalls, 2 silos, 4 bedroom house . . . **$72,500.**

415 acres, 172 free stalls, 25x80 Harvestore, 3 concrete, auto feeding, double 8 parlor, machine barn and calf barn, complete with 200 head 85% registered 18,000 lb herd and excellent equipment Good 4 bedroom house, new 3 bedroom 2 bath house **$650,000.**
Owner Financing

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Call 8 P M to 10 P M 315-364-8311

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For Sale - By Owner - ½ acre corner lot with 69 Pride trailer, full basement, carport, blacktop. PH: 717-687-8412.

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Take your pick or combine the 2 on this 49 acre farm capable and set up for 300 head of hogs and several head of steers or fewer hogs and more steers. There is a large sandstone 2½ story home. This farm in Cocalico School District and some of the land is ripe for future development.

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426 Acres in 1 block, 392 tillable, can be bought in total or smaller acres, 3 houses, 4 barns plus farm shop Much road frontage.

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140 A 104 stalls, double 6 parlor, 1000 gal tank, new storage shed, large brick home, all conveniences, reduced for quick sale

126 A 27 stalls, new milkhouse, modern home, price reduced

160 A General farm with excellent stone buildings, north of Ephrata, Financing available

BLUE BALL REALTY
Blue Ball, Pa.
Phone: 717-354-4536

Beautiful Finger Lakes - New York

55 acres - 2 grain bins, outbuildings large shop, three bedroom home	$65,000
100 acres, large barn, no home	$53,000.
300 acres, 3 silos, 120 free stalls/room for 200 heifer barn/hay storage, parlor, tank (2) homes #1 soil	$400,000.
104 acres, excellent bank barn, 40x80, old home, river frontage Financing	$67,000.
201 acres, honeoye soil, silo/unloader, 48 stanchions, barn needs repairs, excellent home (2 ponds) asking	$275,000.
134 acres, 90 tillable, 2 outbuildings, #2 soils, excellent 4 B/R home Financing	over $100,000.
225 acres, 185 tillable, 6 silos, 105 tie stalls (3) homes	$195,000.
212-160 tillable, soil, 28 stanchions, large attached pole barn, good home Financing	$210,000.
78 acres, 60 tillable, large older home	$45,000.
76 acres, good land and home, 30x60 barn asking	$64,000
50 acres, 5 woods, large barn	$24,000

We have many parcels "Land Only"

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HORSE RANCH - Minutes from Schenectady, 36 acres, 2 ponds, split rail fence, brick ranch w/fireplace, horse barn, tack room $65,600. Terms

ONE MAN FARM. 496 acres, 68 cow pipeline barn, also heifer barn with cleaner, fine 10 room home, fireplace, 68 milkers, 40 heifers, $325,000 with owner terms

HOW CAN YOU GO WRONG FOR $650,000. 80 cow barn with cleaner unloader, mow elevator and dumping station on this 100 acre starter dairy. 4 bedroom home in pretty good shape

FAMILY FRUIT FARM. 2400 trees, cultivated blue berriers, not far to lake, 40x50 corner road side stand with walk in cooler, cider press and stock barn. Excellent colonial home. $135,000 includes all machinery and 1979 crop

INCLUDES 70 MILKERS. Young stock, all machinery on 417 acre farm, 265 tillable honeyoye soil, 80 cow free stall barn, double 4 parlor, liquid manure system, fine 9 room home $396,000. complete

New Free Dairy Listing Addition 7910. Also small farm acreage list

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150 acre Dairy farm on quiet year around road with 3 bedroom home with 2 car garage. 37 cow Barn. 90 acres tillable with balance pasture and woods. Machine Storage shed, 18'x40' Silo, Silo Unloader, Bulk Tank, Barn Cleaner, and Corn Crib. Ready to move into. $90,000 Terms with 25% Down.

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VIRGINIA DAIRY FARMS SHENANDOAH VALLEY

240 acres: 125 acres cropland, 100 acres pastureland, 15 acres woodland. 24 x 60 upright silo with unloader. 100 free stalls. Modern 4 cow parlor. Hay barn. Machine shed. Ample water. 7 room house and tenant house.

250 acres: 170 acres corn, 30 acres alfalfa, 45 acres pasture, 5 acres wood. Double four herringbone; could expand to six. 2000 gal. bulk tank. 24 x 80 silo with unloader. 125 x 26 trench silo. 100 free stalls. New 1600 sq. ft. house and tenant house. Operation only 2 yrs. old.

160 acres: 100 acres cropland, 60 acres pasture, concrete silo, trench silo, 50 freestalls, milk parlor, large hay barn, nice 2 story home. $190,000. Owner will finance.

Call or Write:
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Handyman could make this a real nice home There are 9 rooms and 6 bedrooms and in fair condition. 1 acre. Priced at $19,500. 1/3 down and owner will hold bal. at 10% interest. #223

OPEN AND WOODED LAND
We have several parcels of land. A 40 acre for $40,000 125 acres for $480 per acre, 39 acres for $950 per acre 20 acres of good hunting ground for $12,000

FRANK LLOYD WRIGHT DESIGN
Lonely 8 room, 3 bedroom home located in Mansfield, Pa. in Tioga County on Rt. 15 North. 2 fireplaces, 2 car garage, low heat bills, and there is 6 acres Nice pond and there is about 2,000 Christmas trees. Don't let this get away from you at this price $69,500 & owner will finance #214

INVESTMENT PROPERTY
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R. Chamberlain RES-Phone 717-549-4173
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PROSPEROUS DAIRY FARM - 236 acres, 2 barns, 2 homes (one a new rancher) selling due to health, owner financing **$295,000.**

203 ACRE FARM - 13 room colonial, 3 barns, 94 stanchions, 75% clear land, 4 road frontages. To settle estate. **$140,000.**

180 ACRES — 125 tillable, beef and hog farm, 8 room and bath home in excellent condition. **$199,500.**

HUNTERS - 187 acre hunting club, large furnished colonial sleeps 17, clear and wooded, just off Rt. 81. **$135,000.**

LAND - 71 acres just off Rt 81 near Elk Mountain. 41 acres open fields, 30 acres mature woods **$42,500.**

MINI-ESTATE - perfect retirement home in most picturesque 2 acre setting with ½ acre lake, on Rt. 92 at Jackson. **$55,000.**

WYOMING COUNTY

2000 ACRES - certified tree farm, mature timber, ready to cut Rts. 309 and 29 run thru **$1,000,000.**

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PAUL M. Longacre FARMS AND COUNTRY PLACES

SNYDER COUNTY
NEW
150 acre dairy farm, 100 tillable, good soil, stream through pasture, bank barn with 34 stalls, 10 x 40 silo, nice 2½ story home with modern kitchen, lg livingroom, 4 bedrooms & bath, double corn crib, 2 wagon sheds, all buildings in exc cond , farm lays nice Asking **$225,000.**

MONTGOMERY COUNTY
75 acres, $3,500 00 per acre large amount of road frontage **#139.**

BERKS COUNTY
139 acre orchard, very nice, large sales building, 110 x 60 & 40 x 45 refrig storage, grading rooms & office building Also a good 8 room frame home w/bath & 4 room Summer house w/bath A very nice operation at **$380,000. #241.** 36 acres adjoining property available also, **$108,000 #242.**

95 acre horse farm with the most outstanding restored historical brown stone eight room house, bath, fireplace, guest house, smoke house and spring house Very large and outstanding 16 stall barn with large addition for steers, very good limestone soil with enough level land for a race track For the race horse lover Registered with Pa historical society **$375,000 #117 Lease possibility.**

BRADFORD COUNTY
NEW
98 acre, 70 tillable dairy farm, 47 tie stall barn, barn cleaner, bulk tank, 20x60 concrete silo w/unloader, house available for rent, **$105,000.**

180 acre, 150 tillable, level land to gentle rolling, beautiful big new rancher w/fireplace, barn remodeled w/new addition, 58 tie stalls, could easily add 16 stalls, bulk tank, dumping station, 18x65 concrete stave silo w/unloader, heifer barn & machinery shed Located on macadam road Sets very nice, must be seen to appreciate All for **$225,000** Cattle & machinery optional Additional acreage available for rent

79 Acres 59 open & 20 wooded w/unlimited possibilities Only 5 minutes from Athens Nice view **$39,000**

113 acre dairy farm, 60 tillable, 30 pasture, 103 stallbarn, 86 tie stalls & 17 for heifers, 1000 [illegible]60 concrete silo, 16x50 con[illegible]s, 2 large sheds, 34x48 & [illegible]story farm house w/6 bedroom & bath, nice pond, also 300 acres available for rent, **$139,500**

SALES AGREEMENT

94 acre general farm, large 2 story home w/8 rooms & bath, large bank barn & other buildings, **$80,000.**

86 acre investment opportunity w/country living 40 acres wooded & 46 open, includes 12x70 nice mobile home w/1½ bath & garage Located in lovely setting near lake Call for details, **$69,500 #273.**

213 acre 120 tillable, contoured dairy farm, 38 plus stall barn w/cleaner & bulk tank, 2 story heifer barn, 18x50 concrete silo, large 2 story home w/modern kitchen, living room, dining room & 5 bedrooms & other outbuildings **$188,000 #264.**

290 acres, 220 tillable dairy farm, 102 stall barn, pipeline milker, bulk tank, barn cleaner, fans & heifer stalls, large machinery shed & heifer barn, new insulated shop, 2 18 x 50 concrete silos w/unloaders, 20 x 50 Harvestore silo & other outbuildings Four nice dwellings, a mobile home & several nice ponds, make this a real buy A real going operation at **$470,000** Cattle & machinery optional Also 150 acres available for rent **#239**

16 acre hunting camp w/frame house, nice kitchen, large stone fireplace, cathedral ceiling, fenced Also 2 barns, milkhouses, grainery & garage Spectacular view, **$49,000**

187 Acre Dairy Farm, 110 tillable, new 74 tie stall barn, 6 unit Surge pipeline, 1000 [illegible]aner, fan system, 16x60 [illegible] silo with unloaders, 36x88 po[illegible] corn cribs, very nice 2 story home, modern kitchen, 4 bedrooms A nice going operation **$230,000** Cattle & machinery optional

SALES AGREEMENT

WOODED ACREAGE
11 acres **$11,000**
38 acres **$26,700**

SUSQUEHANNA COUNTY
67 acres of prime hunting ground, **$34,000**

100 acre dairy farm, 63 stall barn, remodeled 8 room home w/bath, new machinery shed, 20x60 Harvestore silo, in a nice setting, **$162,000. #267**

19 acres, lovely woodland, suitable for hunting or retreat **$22,500**

40 acres of woodland, **$26,500**

Several other parcels available

SCHUYLKILL COUNTY
NEW
149 acre potato & vegetable farm 75 T, featuring lovely remodeled home with modern kitchen & bath, formal diningroom, large livingroom & 5 bedrooms 70 x 90 bank barn potato storage, also marketable timber All for **$165,000. #288**

JUNIATA COUNTY
10 acre w/lovely Cape Cod 8 room & 2 baths, full basement in a very nice setting, excellent for hunting or vacation home, nice view, **$65,000. #283**

LUZERNE COUNTY
18 acre country estate hide away featuring lovely New England Colonial home with modern kitchen, diningroom, livingroom w/fireplace, 6 bedrooms & 4 baths with a nice setting & large barn All for **$140,400**

CARBON COUNTY
135 acre dairy farm, 90T, 21 stall barn w/[illegible] with new additional freestall [illegible] featuring modern ki[illegible]s & 5 bedrooms Also other outbuildings bordering hard road A nice farm, **$215,000 #282**

SALES AGREEMENT

LEHIGH COUNTY
102 acre steer farm, barn feed lot and silo Large stone house, center entrance, ready to be renovated **$200,000 #145**

POTTER COUNTY
40 acres of mountain land, 10 acres open Remainder woodland, borders on hard road one side **$20,000 #109**

TIOGA COUNTY
OWN YOUR OWN VALLEY, 784 acre dairy farm 590 tillable 110 good pasture w/nice stream & remainder woodland with 100 plus freestall barn [illegible]tic feeding system, double 6 Herringb[illegible] gal tank storage, (2) 20 x 60 [illegible]os & 2 other silos, bank barn & 3 h[illegible] house is a modern 1½ story 12 room home with [illegible] bedrooms & new bath Second house is 2½ story with modern kitchen & bath, 3 bedrooms, living room & dining room Second bank barn for heifers & hay storage, & a third house 2½ story 8 room & bath Much more, all for **$475,000. #263**

SALES AGREEMENT

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Three Harvestore silos, 109 freestalls with feeders, 64 stanchion barn with pipeline milker, good milk market, $225,000 bare. Can be bought stocked & equipped with 105 cows.

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PLAN TO SEE THIS DAIRY FARM OPPORTUNITY

475 ACRE - 360 TILLABLE PLUS 100 acres woodland, 154 capacity freestalls, barn 50' x 312', loose housing heifer & dry cow barn 50' x 245' double 8 Herringbone parlor, (2) 1000 gal. tanks, 4 large silos, (3) 24 x 60, (1) 20 x 55, shop, Machine shed, lagoon & other buildings, 14 room modern home w/fireplace, 8 acre lake & much more, must be seen to be appreciated. Located in a good area of Bradford Co. Call for Details.

COUNTRY PLACES

FARMETTES

PORK SPECIAL

New Listing - Snyder Co.

37 acre hog farm, hog barn with cleaner silo, implement shed, stream, very well kept modern 2 story home, much more, owners say sell. Priced in low 90's.

New Listing - 28 acres all tillable, cattle barn, home with conveniences & other buildings. In good community, Selinsgrove area.

Two farms western end of county. Located in the same neighborhood, 145 acres & 130 acres for steers or hogs. Both priced to sell.

Woodland - nicely located near state gamelands

Near Rt. 75 - Dairy setup with stone home, transferable mortgage. Owners want quick action.

COLUMBIA-MONTOUR AREA

108 acres, 70 good producing tillable acres plus 38 acres of woods & meadow Not far from town or I-80 Priced in the 90's Be sure to call for information on this one

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FARMS FOR SALE

CUMBERLAND COUNTY

39 Acres, 35 tillable General Farm, 4 bedrooms, barn, silo, near Carlisle. $89,000.

212 Acre Dairy Farm near Lewistown.

151 Acre Dairy Farm near Shirleysburg, 125 A. tillable. New Fickes silo & unloader, $220,000.

127 Acre General Farm near Bloomsburg, has building supply & store business.

18 Acre Mountain (Milton R.D. 1) 7,000 sq. ft shop space.

83 Acre Dairy Farm East of New Holland.

122 Acre Dairy Farm North of Annville.

46.6 Acres of Farmland west of Lancaster, good for farming or building.

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Smoketown, PA
717-291-2270

DAIRY FARMS

KENT COUNTY FARM - 200 acre farm with approximately 160 tillable Excellent level land located in Kent County Delaware Complete new dairy operation containing 50 comfort stalls, 2 maternity stalls, loose housing shed with space for 45 free stalls 2 harvestore silos, pipeline and bulk tank, calf raising facilities, manure pit and pump, 6500 bushel grain storage, machinery storage, hay storage and a new 14 x 70, 3 bedroom mobile home $625,000

CHESTER COUNTY - 190 acre operating dairy farm plus 2 additional houses, a milk processing plant and store Excellent opportunity for a large family operation Call us for more information and an appointment to see this fine property

You can have a home for yourself, your trainer and your horses when you buy this conveniently located 4 bedroom, 100 year old colonial Let us take you down the tree lined drive to the lovely home on 17 acres waiting for your inspection for only $175 000 Lots of privacy and there is additional acreage available

REALTOR

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92 HEAD DAIRY OPERATION - Large tie stalls built right for big holsteins. Straight run barn w/2 barn cleaners. Surge pipeline w/6 units. 1200 gal. bulk tank w/hot water energy saver. 20 x 60 silo plus large trench. Roll roof barn w/hay storage approx. 20,000 bales. Large 6 bay machinery shed, & large 3 sided shed. 8 rm. 4 bdrm home remodeled, rewired, & insulated. Almost everything new in 1975. Includes approx. 289 acres w/about 123 tillable. Leasing another 130 tillable that borders farm on shares or low rent. Much more. Priced right at $180,000. M-1851.

TIOGA COUNTY - 231 acre dairy farm, 55 stall barn, 3 silos, barn cleaner, bulk tank, milking units, 7 acre farm pond & cabin, excellent 4 to 5 bedroom house completely remodeled throughout, attached 2 car garage. Owner finance 29% down, 20 yrs. with interest rate to match F.L.B. at closing. Much more on this going operation, $183,500. #W-435 PH: 717-724-5921.

ONE HUNDRED ACRES - Great views, prime recreation with roads through property. Ex investment, hunting area, or building spots for second home. $325/A., 20% down; 8½% int. PH: 814-367-2249 C-172

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WESTFIELD, 108 Main St 814-367 2249
MANSFIELD, RD 1, Box 41 662-2138
AND BRADFORD County call or write
TROY, 533 Elmira St 297-2118

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CUMBERLAND CO.

Dairy
131 acres limestone, large 50 tie stall barn, pipeline milker, new 1500 gal. bulk tank, new 100 cow free stall barn, 2 silos, 80' feeder, new 65x108' implement shed, 7 room modern house. Owner financing available. Cattle optional with financing.

General
40 acres limestone, estate type setting, beautiful colonial brick house with fireplaces, bank barn, garage & road frontage, SE of Carlisle.

PERRY CO.

Dairy
153 Acre Dairy, large barn, 50x85 feeding area, 53 stalls, stable cleaner, 525 gal. tank, 2 silos, 70' feeder, 2 streams, double log house plus road frontage.

FRANKLIN CO.

General (Chambersburg)
94 acre secluded, ideal setting to raise family, comfortable 3 bedroom frame house, bank barn, small silo and other out buildings, 3 flowing streams and spring fed farm pond, well wooded with special character.

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Phone - 243-6195

If you prefer, call any of the Farm Representatives at his home phone listed below
Charles L Wenger - (717) 263-0945
George L. Ebener - (717) 249-4979
Wilber L. Diehl - (717) 258-3231

FARMS FOR SALE

Bedford County

Dairy Farm with facilities to accomodate 70 cows plus replacement stock. 2 concrete silos with unloaders, 20 x 30 Harvestore for high moisture grain. 96 tillable acres, Hagerstown loam, 117 acres wooded; 27 acre pasture lot. Milking equipment, large brick house, modern kitchen; 4 fireplaces; good accessibility. $260,000.

Lebanon County

Choice 170 acre farm in Palmyra area; zoned light industrial and agricultural. High state of cultivation. Old stone house and barn; nice setting, stream, lots of road frontage. Owner financing to qualified buyer.

Tioga County

172 Acre Dairy Farm with 2 houses, modern conveniences in both, large L-shaped barn, 40 stalls with stable cleaner, 20x40 Harvestore, 16x40 concrete stave silo, 20x30 wooden silo, 530 gal. bulk tank, 85 acres tillable, 10 acres wooded, balance pasture. A nice farm in a dairying community, $185,000.

LAND FOR SALE

Clinton County

Hunting camp site. 109 Acres Secluded. Borders State Gamelands. No camp near: Excellent Hunting $600.00 per Acre

Mifflin County

87 Acre tract of Mountain land, excellent for hunting, $45,000.

Jesse D. Ziegler 717-866-5085
Judy Rogozinski 717-274-3550

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H-100
Central New York State

New on the market: Move in this spring. 287 Acres - 170 Cropland. 36'x220' Barn - 80 Tie Stalls - Some extra large - 4 Silos - 6 unit pipeline - 100 Gal. Bulk tank - Other barns - 5 Bdrm. Home in good condition. Price $220,000.00. This is a good farm and priced right; A good Milk Market.

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EASTERN BERKS FARM

Ideal horse farm located near Kutztown. 50 acres almost all tillable. Stone farm house w/walk in fireplace, 40 x 100 barn w/water & electric & 7 horse stalls. This farm is strictly private w/a fantastic setting including a pond & pleasant surroundings.

new pennsylvania realty, inc.
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REALTORS 215-398-2559

DAIRY OR HOG FARM

150 acre valley farm joins fishing stream. About 120 acres tillable with 80 of these acres bottomland for easy cultivation and production. All in full view of farm home. 36 stanchion dairy barn with attached shed and bulk tank milk room. Concrete silo. Large 10 room farm home has 6 bedrooms, good well, water and heat. Dead end public road setting. Real potential here for the farmer who needs hay, corn, or alfalfa crops. An easy place to farm. $145,000.00.

UNITED FARM AGENCY OF PENNA. INC. REAL ESTATE
R.D. 1 Towanda, PA 18848
Phone: 717-265-5924

DAIRY FARM
CARBON COUNTY

100 acre dairy operation containing 30 stanchions, free housing for 50 cows, pipeline milker, 3 silos, implement shed, bulk feed bins, barn cleaner, etc. Old stone dwelling in good condition, 41 milking cows, 21 heifers, 7 calves & all the implements, wagons, 5 tractors some like new. All included in this sale. Adjoining land can be farmed for $12 per acre. If you are looking for something ready to go this is the one.

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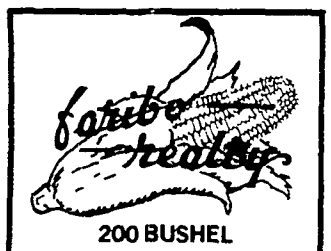

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CENTRAL PA. FARMS

Montour County-New Listing - This 210 acre general farm located approximately 5 miles East of Muncy, features an excellent house, bank barn, & 110 acres of productive tillable land The balance of the land has 45 acres of pasture & 55 acres of woodland All of the pasture has water which is supplied by three separate springs The farm has a substantial amount of road frontage & is an ideal livestock farm **Price $219,500**

Blair County - Two adjoining farms near Williamsburg

FARM #1 - This 145 acre dairy farm features 70 acres of highly productive tillable land, 38 acres pasture, and 37 acres of woodland it has a solid 2 story frame house, bank barn with modern dairy attachment with 21 inverted V stanchions, bulk tank, and other outbuildings The farm has frontage on Clover creek Priced at $172,500 and available separately or with farm #2 below

FARM #2 - This 120 acre general farm has 106 acres of highly productive, tillable land, and approximately 14 acres of woodland It also has a good, solid 2 story frame house and a bank barn idealy suited for livestock The buildings are centrally located on the land Priced at $215,000, this farm is available only with farm #1 above for a simultaneous sale

Union County - Located approximately 4 miles North of Mifflinburg, this farm features a good 2 story house & 33 acres with 24 acres of productive tillable land Other buildings include storage facilities & 2 corn cribs The property is completely fenced for cattle Realistically priced at **$120,000**

Northumberland County - Ideal for investment or general farming, this 168 acre tract has 135 acres of tillable land, 16 acres of developed land, and 16 acres pasture & woodland The tillable land can be purchased separately & the majority of it is highly productive The 16 acres of developed land has 28 lots ready to market, complete with water & sewer The property also has a large 2 story bank barn Call or write for additional information

Bedford County -840 acre grain farm (3 separate farms) 700 acres tillable, excellent productivity This farm includes an 80,000 bu grain storage & drying facility, 5 silos, beef cattle feeding setup, 5 barns (1 new 50' x 140'), 4 houses All buildings are in good condition There is excellent road access, individual farm purchase negotiable Total price **$1,250,000**

Centre County - 110 acre general farm (105 acres tillable) Nice laying productive limestone ground Large bank barn, implement shed & corn crib combination & concrete stave silo, all in good condition Large Victorian house in need of repair **$185,000.**

Bedford County - 190 acre operating dairy farm, 170-acres tillable, limestone soil Two story 6 bedroom, brick house, bank barn including 54 stalls with mats, & pipeline milking system 3 silos, large machine shed & other outbuildings **$300;000.**

Bedford County - 155 acre general farm (formerly a dairy farm) w/120 acres tillable and 30 acres pasture Includes a 6 bedroom frame house, bank barn, machine shed and garage, also a small stream **$155,000**

Centre County - 215 acre farm located in Curtin Twp , in the vicinity of Romola, PA, adjacent to Spoul State Forrest This picturesque farm with tillable and wooded acreage includes a 2 story frame house with aluminum siding and large attached screened porch and a separate 2 car garage both in good condition A stream flows throughout the year and provides water supply for the house and pond Excellent for and investment, ideal location for pleasure horses or just plain recreation

Centre County - - Located near Spring Mills, this 75 acre farm features 30 acres of tillable land, 12 acres of pasture and 33 acres of woodland A small stream flows through the property Buildings include a 2 story frame house w/aluminum siding, 40'x70' bank barn w/29'x39' attachment, and 4 corn cribs w/a total capacity of 4,200 bu of shelled corn The barn is equipped for farrowing & finishing hogs Approximately 18 miles from State College, this property is reasonably priced at **$97,500**

Huntingdon County - Located near Manor Hill this 212 acre farm features 150 acres of productive tillable land, 17 acres of pasture, and 40 acres of woodland, it has a 2 story brick farm house 2 story bank barn with 28 stanchions, milk house, and implement shed and crib combination A stream flows through the farm and it has a nice secluded setting It is also close to the Stone Valley Recreational Area and the Whipple Dam State Park Very realistically priced at **$177,500**

Centre County - Located near Boalsburg, PA, this 44 acre farm features a good barn & 40 acres of highly productive tillable land It has excellent frontage Sound 2 story frame house and shop can be purchased at a later date for a very reasonable price **$94,500** without house

Columbia County -- 533 acre grain farm features an excellent location between Bloomsburg & Danvile It has 350 acres of tillable highly productive lant which lays very nicely There are 3 homes, 2 barns, & a complete grain drying facility with 2 elevator legs & an American Batch dryer The farm has 6 streams & a generous amount of road frontage I-80 divides the farm & each portion could be sold separately to simultaneous buyers Prices Complete farm **$885,000** w/owner financing Field equipment available

Centre County - Bald Eagle area, 93 acre farm, 80 acres tillable, good productive land, no buildings Priced reduced to **$83,500**

CENTRAL PA. LAND, CABINS

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FARMS & LIVESTOCK MARKET
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- 146 acre Duffield loam farm, 116 acres tillable, 16 acres young orchard and 14 pasture with nice stream. Large 2 floor bank barn, big 8 room brick house, other buildings, ⅔ mile road frontage $2,400 per acre.
- Livestock Market with great potential, located on 5 acres of valuable land near Int. 81 exit. Over 300' frontage along busy state highway. Reasonably priced.
- 85 acre limestone farm, 72 tillable acres and 13 pasture, 2 floor bank barn, 6 room house, several outbuildings, stream, ¾ mile road frontage $1,900 per acre.
- Other rural and residential properties in Franklin Co. and Washington Co. Maryland.

PAUL W. SETTLES REAL ESTATE,
Hag. MD. 301-733-6772
Farm Salesman J. Rodger Wildeson,
Chbg. Pa. Phone 717-263-5702.

GOOD N.Y. DAIRY FARMS

450 ACRES. Newer 60 tie stall barn, pipeline heifer barn with new cleaner, large equipment shed, separate shed and garage, comfortable 4 bedroom home. Priced at **$325,000** for 65 cows, youngstock and full line of equipment.

175 ACRES. Mohawk Valley. 55 cow farm, new barn addition, small silo, 38x90 metal equipment shed. excellent soil area 4 bedroom home. 50 cows plus full line of equipment all for **$198,000** with owner terms.

243 ACRES. 55 cow barn, silo, bulk tank, cleaner Attractive farmhouse, considerable road frontage Near Cooperstown, N Y. Priced for immediate sale at **$115,000** with owner financing.

219 ACRES. 30 cow barn, 500 gal tank, 14x60 silo, equipment shed. Excellent views, liveable capped foundation, at **$84,000** with liberal terms. Call today

MILK PROCESSING PLANT with all equipment. Beautiful restored colonial home, location near new interstate highway Barn for 80 cows, pipeline milker, 2 large silos, mobile home, excellent location for farm store. Large assumeable mortgage. Asking **$175,000** but wants immediate offer.

226 ACRES, mostly level tillable acres. Modern 60 cow barn, pipeline, mow conveyor, 20x60 silo and auto bunk feeder 3 other large silos. New England milk market. Attractive colonial home, in-ground swimming pool. 60, 16,000# cows, youngstock and full line of equipment for **$325,000.**

320 ACRES. 125 cow free stall farm. Dbl 8 parlor, 1000 gal. tank, auto bunk feeder, 30x60 c s , 25x65 Harvestor silo plus 2 30' Harvestors. 60' equipment shed Good 5 bedroom home, excellent location in Central N.Y Asking **$285,000** with considereable owner terms at favorable rate

THOUSAND ACRE PLUS OPERATING N.Y.S. DAIRY FARM. 500+ Holsteins, one of the finest dairy complexes in the Northeast Complete line of farm equipment. Excellent soil, wide valley location Large cash flow, ideal for progressive farm family or investment group 2.3 million Owner financing available All inquiries confidential.

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CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

165 Acre Limestone Dairy, 60 tie stalls, 20x60 silo, pipeline milker, large modern brick house, fantastic spring and creek frontage

130 Acre Limestone, no barn, elegant 2 story modern with center hallway SALES AGREEMENT ease, 2 working fireplaces with 150 yard set back.

122 Acre Limestone Beef, (easily converted to dairy) deep fertile relatively rock free soil, 2 barns (1) 50'x130', 20x70 silo, large modern double brick and stone house with special charm, (8) fireplaces, large never failing stream

86 Acre General. Estate style setting within 20 minutes of Harrisburg. Fertile gentle rolling land, solid bank barn, charming modern frame 2 story house surrounded by trees, road frontage, creek frontage and several small streams.

84 Acre Limestone no barn, solid 2 story brick house w/fireplaces for restoration, secluded.

FRANKLIN COUNTY

132 Acre General, fertile limestone - relatively level and rock-free, modern 2 story frame home, bank barn, silo & other buildings, all 100 yards from paved road, never failing stream.

HUNTINGDON COUNTY

245 Acre General, highly productive land with gentle slope. Full set of farm buildings, solid well preserved dwelling. Ideal to develop modern livestock enterprise. Beautiful setting between 2 mountain ranges, several streams.

100 Acre General, smooth fertile land with gentle slopes, large farm pond and several streams. Solid 2 story semi-modern log house, bank barn and other small buildings, all need TLC. Ideal as livestock farm within minutes of Raystown Lake.

65 Acre bare land, ideal for development.

JUNIATA COUNTY

37 Acre Gravelly Shale Poultry Farm, 24x88 2 story building, bank barn, and other out buildings all in good condition. 2 story modern frame home, strong never failing stream.

PERRY COUNTY

105 Acre Limestone Hog, fertile rolling land with little out cropping. A 24 stall farrowing house, 36x60 barn, modern 2 story 4 bedroom brick dwelling, fantastic spring.

YORK COUNTY

95 Acre Dairy, 60 free stalls, double 3 milking parlor, 2 silos, implement shed, modern frame house, farm pond and strong stream.

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7 acre farmette, large 4 bedroom home, large barn, stream through, $46,000

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FARMS & MINI-FARMS

Call to set up an appointment at your convenience to inspect these and other farm and rural properties.

F9-167 100 acre general farm in Selinsgrove School District, 2 story home with aluminum siding, bank barn with barn cleaner, approx. 55 acres tillable, $142,000. Excellent owner financing.

Columbia Co. farm. 112 acres with 90 acres tillable. Owner claims 130 bu. corn per acre, excellent farm house and buildings, in-ground pool, large barn, new equipment shed, plus more $198,000.

F9-345- Snyder County. 24 acre farm. Nice 5 bedroom house & bank barn. Beautiful setting & quiet country living. Can't be built in. Great buy at $65,000.

DAIRY FARM - Over 130 acres tillable on this dairy farm. Excellent deep top soil, bank barn with 36 comfort stalls. Two silos. 90' bunk feeder, beautiful 5 bedroom home. In ground pool & lovely location. Approximately 30 miles North of Harrisburg. If you take your farming seriously, don't delay. Owner financing with 29% down to approved buyer. Under $3000/acre.

188 Acres - Rough mountain land in Union Co. along Penns Creek. Great trout stream borders giant tract state game land. $60,000.

L9-172 50 acre tract south of Sunbury, majority of land is wooded, nice view, $35,000.

F9-53 25 acre farmette with 4 bedroom frame house, close to Line Mountain School. Land is open with plenty of road frontage, pond. $65,000.

F7-102 141 Acre General farm w/60 acres tillable, 2 story frame home, 5 bedrooms, 2 baths, completely remodeled, barn 36' x 60'; Rush Twp, Northumberland Co. $141,000.

F9-315 86 Acre Snyder Co. farm situated in Hollow. Plenty of privacy. Protected from weather. Approx. 55 acres tillable. Repairable 2 story house. 12x70 mobile home. $110,000.

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90 tillable acres - Westtown Twp.

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For Sale- Incubator, 500 to 1000 eggs, electric, Joseph A. Longstreth, 7809 Brookfield Rd , Cheltenham, PA 19012

Fox Terrier stud service 717-354-7186

For Sale- Peafowl, 6 cocks, 1978 hatch $50 each, also 1979 chicks, $10 and up, Westminster MD 301-876-1235

For Sale- Reg Angus bulls and heifers, Orange Gate Angus Farm, Maurertown, VA 22644, 703-459-3414

Wanted 200-300 gal holding tank, meat grinder, 30 gal S S barrels, castors, S S 6 ft table, ratchet press, S S sink, 215-862-9148 10-5

Yorkshire Service age boars, Red Run Farm, Rd 2, East Berlin, PA 17316, 717 292-4634

For Sale AKC Rottwiler male, 1½ yrs old, excellent bloodlines, 215-445 5796

Wanted Used Axeman Anderson coal furnace with summer-winter hookup, will remove, Montgomery Co 215 287 9749

For Sale- Boggs potato grader, excellent condition, approx 1500 10 lb potato bags, 301 452 5122 eves , Harford Co

For Sale- 2 Rear tractor tires, 16 9x30 on 15" rims, 6 ply rating, 14 30 with liquid 60% rubber, $200 or best offer, Lancaster Co 215-445-4786

For Sale- 500 gal Dari Kool Milktank, almost new compressor, York Co 717 432 2762

Does your bathroom need remodeling? New fiberglass wall panels for tub, complete kit, in box new price $100, asking $55, H John Martin, Rd 2, Annville, PA 717 865 3281

For Sale Int 3x8 double acting cylinder, Tokheim 12 volt fuel pump with meter Southern

MAILBOX MARKET

For Sale- Old Badger forage wagon $500, NI 203 flail spreader $150, Tri-Star 3 pt fork lift for bales or pallets, $750, Haylosyn applicator $300, York Co 717-432-5686

Wanted- Stained glass and leaded windows, William Johnson, PO Box 87, Everett, PA 15537

Wanted- Used steel roofing and used tandem axle fertilizer spreader, Leon Knepper, Box 121, Rd 1, Berlin, PA 814-267-4953

For Sale- Used once IH 2 pt 8½ ft field cultivator, IH 3 pt 2-16 trip plow, 2 complete 34 in wall rings for 24 ft grain bin, new 215-297-5926 Bucks Co

For Sale- JD 13 ft grain head, quick tach with Batt reel, rebuilt in good operating condition, Bucks Co 215-357 0514

For Sale- 7 Holstein heifers, different ages, 8 ton wagon chassis, Northampton Co 215 837-0239

For Sale- Second hand, single door Servel gas refrigerator, fair condition, Lancaster Co 717 354-5670

For Sale- Clydesdale stud colt, 7 mo old, 4 white socks, registerable, asking $2500, Carroll Co 301-775 2104

For Sale- 1 hay wagon $650, also calf hutches, Allen Mohler, Lancaster Co 717-529-6273

Wanted- Trucker to take two horses along to Columbia, Ohio Sale Feb 13 For Sale- 1050 IH grinder mixer, John E Lapp, Rd 1, Newburg, PA 17240

For Sale- Box stalls and pipes, Robert Kauffman Rd 1, Elizabethtown, PA 717-367 3550

For Sale 4 Surge Jet-Flo mini cup units, old style with claw mounted activator, Lancaster Co 717-354-9951

For Sale- IH 249A planter, exc condition $425, Co-op running gear $125, Steel fence posts 6 ft $2 each, JD 440 snowmobile $825, Prizer cook stove $150 Hay and straw

MAILBOX MARKET

For Sale- IH hydro 86 450 hrs, like new, Lycoming Co 717-546-5861

For Sale- 4 Universal Numatic milkers, 5 50 lb pails, 2 sets of inflations, owners manuals, and parts books, good condition, $400, Lycoming Co 717-323-3803

Wanted- Large driving pony over 12 2 hands but must not exceed 14 0, must be able to be ridden Western pleasure and pleasure driven in show ring, Franklin Co 717-263-0141

For Sale- Once used whiskey barrels $15, Albert L Wible, Box 107, Hustontown, PA 17229.

For Sale- 16 in Oliver steel plow bottom complete, used very little, Isaac H Zook, Rd 2, Myerstown, PA 17067

Wanted- Front bucket for Farmall H, John Stoffa 1755 Stoke Park Rd, Bethlehem, PA 215-691-3505 Northampton Co

For Sale- 3 butcher hogs and German Shepherd pups, Jonas S Esh, 3424 Old Phila Pike, Ronks, PA

For Sale- JD 210 level flow disc harrow, good condition, Lancaster Co 717-529-2777

Wanted- Shoe Repair equipment, need everything, 717-872-5923 or 464-2251

For Sale- Service age Yorkshire boars, Thomas stock, also sweat pads all sizes Aaron J Glick, Monterey Rd, Box 178, Bird-in-Hand, PA 17505

Wanted- New or used storm front market wagon, and/or spring wagon, state price and condition, all replies answered, T Holliday, Rt 4 Box 244, Waynesboro, TN 38485

Top Quality Hay, Straw, Oats, Steer hay 140 per ton and up, mulch hay, Call before 7 a m or after 7 p m 201-735-8389 or 201-735-4408, days 201-735-8865.

For Sale- IH 56 4 row corn planter with fiberglass boxes and insecticide boxes and monitor, set 18 4x34 tires, tubes and rims, 215-345-1909 after 7, Bucks Co.

For Sale- All size silo roofs at reduced cost, 717-687-6672 or 687-8290 Lancaster Co

Wanted- Run down farm with acreage within 50 miles Center of Phila, used tin scraple pans $ 20 each, 215-MO7-5329

White 540 corn planter, 6R 30" $1200 or best offer, 75 Chevy pickup, trailering special, 14,000 GVW, 454 with air, 717-386-5696

For Sale- 50 Chevy station wagon, 6 cyl, rare model, make offer, Montg Co after 6 p m 215-933 2469

Wanted to Rent Farmland in Berks, Lehigh or surrounding area, Top prices paid, 215-756-6269

For Sale- Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines, Willow Glen Farms, Rd 2, Strasburg, PA 717 786 2562

Fine Selection of pleasure Tennessee walking horses, $800-1200, quality yearling and weanling colts, At Stud Senator's Thunder, black and beautiful, 215 267-7311

For Sale- Horse drawn sleighs and buggies and horse related equipment, 301 398-5696 after 7 p m. Cecil Co, MD

Wanted Saddle mule to ride or drive, Robert C Lea, Jr, Langshaws, Queen Anne, MD 301 822 0021

For Sale- Reg Duroc boars, validated and psuedorabies free, Lancaster Co W F Ruoss & Sons, 126 Irene Ave, Ephrata, PA 717 733 2319

MAILBOX MARKET

For Sale 427 Ford motor, many extras, pro-built, also tractor pulling frame set up for 3 motors, bolts to cockshutt #40, Cumb Co, NJ 609-451 3877

For Sale- Nubian dairy goat, black and white spotted, 4 yr old bred doe, also 9 mo ¾ American doeling, Kempton 215 756-6566

For Sale- 2 SS strainers, creasote $2 gal in your container, 2 Jersey Brave Soilder heifer calves out of Holstein dams, 7 week Holstein heifer calf Sam Stoltzfus, Gordonville, PA

Wanted- 4 or 5 ft rotary mower to fit Farmall cub, also front end parts for MF 65 tractor, New Castle Co 302-994-2996 before 9 a m or after 6 p m

For Sale- Locust posts, will cut to order, Lancaster Co 717-898-7066

For Sale- Farm tractor, MF to 35 with hydraulic front snow plow and rear scraper blade, PS, excellent condition $2,600, 201-772-7626

For Sale- 18 can milk cooler in good condition, Clinton Co., Ezra E Beiler, Loganton, Rd 1, PA 17747

For Sale- In Tioga Co, Syrup equipment, pails, spiles pan 3x8 King with pipe, 814-355-0452 before 12 p m for information

For Sale- JD 101 quick tach 1 row corn picker $250, 8 ft cap for pickup $200, AC 3 bottom plows $175, 717 837-0750 Snyder Co

For Sale- 12 ft Badger silo unloader, 18" potato grader with King Wise bagger, 8 ft cap for pickup truck, Chester Co 215-593-6661

For Sale- Purebred Reg Collie pups, 1 mile south on S Groffdale Rd, Lancaster Co 717-656-8958 Wilmer Stoltzfoos

For Sale- JD semi mounted 5-16 plow, trip bottom $1300, 717-665-6460

Wanted- Pickup head for NH 717 harvester, need corn planter, For Sale- barn boards, Henry Yoder, Rd 2 Box 273, Milton, PA, Northumberland Co

For Sale- JD A with 3 pt $1500, PTO driven stone picker on steel, $300, IHC 3 bottom 14" plow, $300, 717-758 1734 Northumberland Co

For Sale- 800 gal Clay honey wagon with 10 ft suction hose in good working condition and nice bright wheat straw, no rain, York Co 717-252-2074 or 252-2666

For Sale- Due to moving- NH 32 ft elevator $200, IH 46 baler $800, NH 707 harvester $2500, Dunham 10 ft cultimulcher $1000, 2 row tobacco planter $100, EZ offset disc, 717-354-5067

Wanted 28 or 32 transport disc harrow, 717 255-3304 after 5 p m York Co

For Sale- Parts of Farquhar sawmill, clutch and husk mandrel with pulley, carriage and some track gear driven $125, York Co 717 632 9383

Best offer- Kitson automatic poultry feeder, includes downspouts, pipes, feeders, and approx 400 ft chain, 215 838 9677 Northampton Co

For Sale 7 purebred polled Hereford calves, 3 heifers, 4 bulls, $ 90 lb, contact Ken Foust, Adams Co 717 334 5966

Wanted 12 to 16 ft Patz silo unloader with tripod and motor, state price and condition, Warren Co 201 475 2476

Alcohol Still Constructed this summer, investment of corn mash or money needed in return for alcohol share Interested?, Reply Box 170 Rd 2,

MAILBOX MARKET

For Sale 477 NH and haybine, excellent condition $2000, also grass hay, $50 ton at farm 717-867-4775

Wanted- Window sash, 27x40 and 28x35, 717 367-3242

For Sale- Int 5B plow, 16 in model 510, $1250, Long 10 ft offset disc, 26 in blades $2700, Athens 7 tooth 3 bar chisel plow, 3 pt $750, all good to excellent condition, 717-432-2546 after 6 York Co

For Sale- 10 ton wagon gear with 8 ply 11Lx15L tires, also 28 JD KBA disc $325, Cumberland Co 717-532-3360

For Sale- Cord wood saw buck with blade $125, Snow blade for cub cadet $125, York Co 717-244-3415

Wanted- Complete PS unit for MF 35 tractor, complete hood and grill for TO20 Ferguson tractor, Carbon Co. 215-377-0682

For Sale- Fresh roasted peanuts, formerly Red Run Country Store, Wanted- 2 btm 2 way plow, Lancaster Co, Leon N Zimmerman, Rd 2, Stevens, PA 215-445-5090

For Sale- 340 Chrysler Engine, radiator and battery, good condition $275, Lancaster Co 215-445 6807

For Sale- Oil burner, complete $200, 2 oil tanks, 275 gal each, $50, Berks Co 215-286-9682

For Sale- 1970 Scout, 4 speed, 4 wheel drive, low mileage, excellent condition, 215 693-6134 Berks Co

For Sale- Clover seed, home grown, also 40 in inserted tooth sawmill blade, Wanted- Int TD6 with PTO, any condition, Berks Co 215-682-6429

For Sale- F700 truck, 15' grain box and hoist, 300 gal trail field sprayer, 1 yr old, Perry Co 717-444-3447 after 6 p m

For Sale- Moto-ski bullet snowmobile, 800 cc, 18" track, slide rails, $300, Warren Co 201-475-2028

For Sale- 2 York boars, very long, 180 lb "Danny", breeding, $125 each, 5 large York gilts, due Feb & Mar Perry Co 717-536-3576

Quality Hampshire boars, from good stock and reasonably priced, Ready for service, Stauffer Homestead Farm, Lancaster Co 215-445-6209

Wanted- 4x8 bed for Ford pickup truck, Horse boarding S Chester Co 215-255-4378

Attention Livestock hauling in Kutztown, Fleetwood area, enclosed cattle truck, ½ grade LaMancha doe for sale $75, Berks Co 215-944-7333 anytime

For Sale- 4 sets DeLaval shells, used 1 week, 4 sets new inflations, 717-626-6546

For Sale- Bou-matic pipeline, 3 yrs old, 2" SS 5 hp compressor, $5300, Sunset bulk tank, 325 gal with compressor, $550, both $5600, call eves, 814-784-3158 Bedford Co

For Sale 1 nice fresh Guernsey cow, very tame, also 1 heifer due in 5 weeks, Lancaster Co 717-354 5039

For Sale- Rabbits, at all times, place your orders early for Easter Rabbits, Little Red Barn Rabbitery, R2, Annville, PA 717-867 1867

For Sale 74 Cad Coupe DeVille, 72 Cad sedan DeVille, both in good condition, Berks Co 215-944 8811

Wanted Wisc V4 with starter, 3¼x3¼ with 1 7/16 output shaft, prefer VH4D model, John Campbell, Newport, PA 717 567 3670

For Sale- 1943 JD B tractor, 2 way plow and cultivators, good condition $795, Call for more information 215-779-7127 Berks Co

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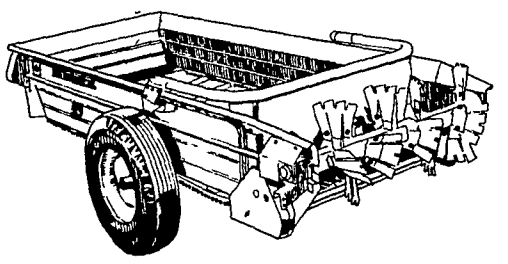

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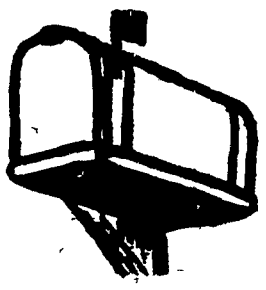

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For Sale- 1960 Chevy ¾ ton 8 ft stepside bed, 6 cyl , 3 speed, new inspection, good condition, Lancaster Co 717-665-3139 after 3 p.m

For Sale NI 125 bu flail spreader, NI 7 ft trailer mower with crimper attachment, Lancaster Co 717-786-3030

For Sale- 10 ton mulch hay, would do for bedding, Samuel S Glick, Rd 1, Mill Hall, PA, Clinton Co

For Sale- 1978 Arctic Cat pantera, twin gas tanks, speedometer, tachometer, cylinder temperature gauges, cover $1600, 78 Arctic double trailer $325, Lackawanna Co 717-563 2257

For Sale AMF 540 snowmobile with new track $750, 1975 Polaris TX440, $1000, 325 gal Esco bulk tank $300, Lancaster Co 717-653 8703

Wanted- Gravity grain bin, slightly damaged, Lebanon Co 717-273-7718

For Sale Reg Yorkshire boars, validated, Brucellosis and psuedorabies free, reasonably priced, Gloucester Co 609-423-1884

For Sale- Soybeans by bag or ton, NH 56 rake, like new, $1095, 50 lb Surge milkers $50, 72 Ford 250 pickup $995, Call after 6 p m 717-354-8326

For Sale- Used top buggy in good condition, dog pen with outside kennel, Wanted- Spring wagon in good condition, Lancaster Co 717-738-1777 after 5 30 p m

Farm for Sale- 63 acres, 45 tillable, bank barn, house and outbuildings, Adams Co 717-624-4676

For Sale- 12x40 silo of corn silage & 3500 bales alfalfa, 1st, 2nd & 3rd cutting and straw 500 bales, 717-637-8172 eves 7 8 York Co

For Sale Roll guard roof for JD 2630 $120, heat houser for AC D17 $50, Berks Co 215-683-8456

For Sale- Ankle blade and attachments in good condition, fits narrow D2 Cat or crawler similar size $400 or best offer, Lancaster Co 717-267-4541

For Sale- Border collie puppies, 6 weeks old $25, purebred, no papers, Lester Martin, Franklin Co. 717-375-4367

MAILBOX MARKET

For Sale- Drill press, Anvil, spoke tennon machine, Mandrel, rubber tire machine, tire shrinker, Jake Lengacker, Rd 1, Port Trevorton, PA 17864 Snyder Co

For Sale- NH field chopper 717, AC combine pull type 66, DeLaval milker pump 73, 215-249-3900

For Sale- Used Cookware, S S 2 pc set $100 less new price, 717-626-2212

For Sale- NH 351 grinder mixer with pneumatic unloading system, needs minor repair $1500, 717-733-4313

Wanted- Hay for mulch, you can haul, Gerald Bodman, 717-799-5306 Columbia Co

For Sale- 1 8 yr old Standardbred carriage horse, family broke, David S Blank, Kinzers, PA along Amish Rd

For Sale- Big saddlebred carriage horse, 5 yrs old with papers, good road horse, Aaron W. Hoover, 3 miles north of New Holland off N Railroad Ave on Snyder Rd

Trade- My one cord split and seasoned oak hard wood for 1½ tons of good quality hay, Chester Co 215-593-5874

For Sale- 7 Grade Holstein heifers, due to freshen in March, 215-932-8232 Chester Co , PA

For Sale- One hog ready for butchering, $45 lb , F.A Seward, Elizabethtown, 717-367-1907

Wanted- 4 10 00x15 or L78x15 snow tires, radials or polyester, Berks Co 717-933-8134

Wanted- New members interested in joining the Lebanon Valley Dairy Goat Club, 4-H or Adult, For information call 717-272-2376

For Sale- 14 free stalls, used 2 yrs , $15 each, barn logs for repair work, various lengths, Lancaster Co 717-653-2325

For Sale- Westernfield model 40 pump shotgun $45, Winchester model 370 12 ga single shot shotgun $35, Eli Z Horning, Rd 1, New Holland, PA 717-354-9927

For Sale- Red & White Holstein bull calf, 8 mo old, Dam produced over 20,000 lb Lancaster Co 717 684 8137 or 285 3878

For Sale- MF 4 row 3 pt cornplanter with disc openers $500, JD 14' transport disc, $800, both good condition, Lancaster Co 215-445 6976

Wanted- 2-16 rollover plow, Write Wayne M Zimmerman, Rd 4 Box 467, Ephrata, PA 17522

For Sale- Lincoln welder, 225 amp output, good condition $85 or best offer, 717-733-4583

For Sale- 16 hand 3 yr old saddlebred driving horse, broke, traffic safe and sound, $825, Ames Hoover, Rd 3, Ephrata, PA, on Newswanger Rd , between Martindale & Hinkletown

For Sale- AKC German Shepherd pups, Roy Rogers Bullet bloodlines, very good bloodlines for training schools, John E Esh, Gordonville, PA, ¼ mile SW of Intercourse across from Harvest Dr Rest

For Sale- Holstein herd, 80 head, available immediately, owner retiring, Chester Co 215-255-4836

For Sale- AKC Dalmation puppies, 6 weeks old, $75, Grey Perchon weanling filly, Columbia Co 717-752-7191 or 752-7306 after 6

Wanted- Square glass jar for butter churn, neck opening 5", hight at least 9", Lebanon 717-272-5390

For Sale- 6x34 transport auger, $350, new P&D heavy duty silo unloader, $2750, 717-733-0575 Lancaster Co

MAILBOX MARKET

For Sale JD model 34 manure spreader, single beater hyd end gate $995, 717 428 1731 York Co

Attention small Truckers- have you lost a spare wheel and tire? to claim, identify wheel and tire, Lancaster Co 717-733-0223

For Sale- 3 yr old Standardbred gelding, full brother to 2 major stake winners, By Speedy Crown $2000, Cecil Co 301-398 2263

For Sale- 10 ton clover hay, no rain, $42 ton, F600 Ford truck, Wisc motor, Ford truck, 345 motor, Call 717-444 3968

For Rent- Farmhouse, near Martindale, Mennonites desired, no electricity, gas installed, garden if desired $75, 215 445 5268

For Sale- 12' NI fertilizer spreader with seed box, good condition, 717-244 2739 York Co

For Sale 3 yr old Chestnut saddlebred 16 hands, broke to drive, single and double, Rufus Z Martin, Rd 1, Denver, PA, Kramermill Rd , Lancaster Co

For Sale- Bagged peanut hulls, 301-452-5122 eves , Harford Co

For Sale- Good hay delivered, North Jersey, minimum 150 bales at $2, 201 342-8917

For Sale- Mixed Yorkshire boar, around 250 lb 8 mo old, Mixed Duroc boar, around 250 lb, 1 yr old 717-859-2374 Lancaster Co

For Sale- AKC Collie pups, Franklin Co 2 miles West of Shippensburg off 533 $80, Jacob S Stoltzfus

For Sale- NH 478 haybine, used 1 season, NH 270 baler, JD F45 2 bottom plow, sickle mower, truck camper, Lawrence W Mullen, Bainbridge, PA 717-367-3202

For Sale- Patz left hand barn cleaner with 165' chain $1000, Wanted- pipeline milking system for 3 units, Lancaster Co 215-445-5918

For Sale- Charolais X Angus stock bull, 1200 lb yearling, gentle, $700/will dicker, heavy old stewing hens, $1 each, Roosters, $5 each, 3 pt 3 B blow $225, 717-927-6823 York Co

For Sale Gilson 10 hp riding mower, 1 yr old, $400, Wanted 4x16 or 18 trailer plow, 717-354-5060 Lancaster Co

Boar service- Purebred Yorkshire, part Irish, Wanted- Milking goat or Guernsey cow, Raymond M Stauffer, Rd 2, Martin Rd , Stevens, PA

Lost- 2 steers in vacinity of Belair or Lawn, PA along 241 Wanted- ear corn or hay silage, 717-944-3069

For Sale- 7½ hp 3 phase motor, 2 ½' silo augers, like new, 2 protein meters, manifold, heads and carbeurator for 350 Chevy motor, 717 933-4616

For Sale- All name wooden wheel farm wagons, new horse drawn McD #9 mower on steel, Adams Co 717 642 8722

For Sale- Approx 30 35 tons mixed hay $50 ton at barn, 15 ton straw $1 bale, Dauphin Co 717-944-4128

For Sale- AKC Boston Terrier pups, 6 weeks old, Amos C Fisher, Gordonville, PA, 1½ mile E of Intercourse on Rt 772

For Sale Manual operated water softener with fiberglass tank, $100, Wanted Anvil, 717-626-5532, Lancaster Co

For Sale- 3900 gal 9-18 9 liquid starter fertilizer (non-corrossive) $2 25 per gal Myerstown, PA 717-933-8943

For Sale- 33 heifers, 4 milking, 20 bred, 9 open, 1 heifer due soon, Lancaster Co. 717-653-5453.

MAILBOX MARKET

Wanted- Oliver 4 row cultivator for 60 or 70, Call after 5 p m 215 933-8247

Wanted- Int cycle mower 22, fits Farmall Super A or 140 Int tractor, 717 987-3516 Fulton Co

For Sale- 2 Nubian milking goats, due to freshen in 2-3 weeks, good milkers, 1968 Olds doesn't use any oil, Chester Co 215-593 2831

For Sale- Calves- Black Angus cross, excellent selection of started quality calves, ready for pasture $195 each, Rhode Island Red Hens, 22 weeks old, $2 75 each, Lancaster Co 215-267-7765

For Sale- 68 Veal pens with 24" steel slats in back, 1 300 qt & 1 200 qt mixers, 20 12 qt buckets, Red Line pressure washer, Lancaster Co 717-626 4465

Wanted- Mellinger Edge tools, Lancaster Co 717 684-2993

For Sale- 1 pot belly stove, 3½ ft tall, antique, Berks Co 717-933-4569

For Sale- Good quality clover mixed hay, at farm or will deliver 717-966-1489 Union Co

For Sale- 5th wheel dump wagon and complete line of horse drawn machinery in excellent condition 315-626-6738 after 7 30

For Sale- JD 2640 with canopy, 815 hrs , Lancaster Co $10,500, 215-267-2036, 267-2606

For Sale- AC 3 bottom plow, high clearance with cover boards, quick coupler, 717-356-7666 after 7 p m

For Sale- Reg Hampshire boars, service age, Charles Bomgardner, Rt 3, Annville, PA 17003, 717-867-2890

For Sale- 6 Reg Hampshire shoats, wormed, sprayed and earnotched $40, nice, 2 boars, 4 gilts, Franklin Co 717-264-3127

For Sale- Mopar 4 brl manifold 318-340 engine, 2 brl manifold for 318 engine, 1966 Cadillac Sedan DeVille, mechanically sound, Wanted- 2 used GR78-14 snows, Call after 5 p m 717-569-3958

For Sale- Old safe $250, Franklin stove $150, Used very little, old gas engine, 2 hp model Z Fairbanks, 2 hp model CT2 stoves $325 each, Chester Co 215 458-8433

For Sale or Trade 1978 Chev pickup with snow plow and or Asplundh chipper for Angus cows or interesting other trade, Berks Co 215-779 4950

Wanted- 2 row corn head in good condition to fit NH model 818 forage harvester, York Co 717-235-2583

For Sale Johnson work horse, model 10 bucket loader, complete unit, Int 3 bottom pull plow, rope controlled, 215 562-5570 Berks Co

For Sale- Adorable female Collie puppies, sable and white, nicely marked, purebred, no papers, $35, 717 865 2846 Lebanon Co

For Sale Good used Amish buggy, Joe S Stoltzfus, Along Spring Garden Rd , Kinzer, PA 17535

For Sale 3000 lb gross weight trailer $175, Enclosed trailer $750, 1941 Chev truck, $175, 3 pt hitch cultivator $150, cub wheel weights, $100 Lancaster Co 717 442-4279

For Sale York-Hamp cross bred gilts, due Jan 20, 717 354 9370

For Sale- 3 yearling Guernsey bull, Reg , 700 lb 4 oak calf pens, $10, also 16 5 K W Pincor alternator, Adams Co 717 359-4383

For Sale- 4 Yorkshire & Hampshire boars, very active $160 each, 717 354 8056

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For Sale 2 boar hogs, 1 yr , Duroc-Tamworth, $125, Large Suffolk ram $100, Needed 1 wheel for Pollard rake, Berks Co 215-562-8347

For Sale- 8'x6'x36" camper top, insulated with lights $350, 1972-350 Kawasaki motocycle, Rebuilt and painted $375, IH 2x12" plow steel wheels, needs plows $75, Berks Co 717-933-4027 after 6 p m

For Sale- 2 Chrysler wheels to fit G-78, 15 tires, $7 each, Also 1 rear bumper for VW Rabbit $25, 717-687-6444

For Sale- Norweigen Elk Hound puppies, curly tails, shots and wormed, $20 each, 215-445-5526 Lancaster Co

For Sale- JD 620 gas tractor, PS, 3 pt hitch, good tires, JD 45 loader, good condition, will sell tractor with or without loader, Luzerne Co 717-864-3359

For Sale- 37 cow herd, all first, second calf but 4 5 yr old, milk 27 shipping 2900#, must move by Jan 12, Owner took Gov't job, 717-354-4374 or 215-286-9173

For Sale- 56 Ford, 350 Pickup, new stock, V-8, HD 4 speed, springs, rear, 6 wheels, 8 ply, 9700 GVW, $495, Bedford 814-766-3501

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For Sale- GE dish washer in good condition, like new oil furnace, John K Esh, Rd 1, Kirdwood, 1st farm out of Kirkwood on Liberty Lane

For Sale- 7 old house doors, 1 with shutters, 3 milker pails, David H Fisher, Rt 1, Ronks, PA, Bachmantown Rd , 17572

Wanted- PTO assembly for NH 66 baler, Berks Co 215-536-9672

For Sale- Firewood $40 ton within 30 miles radius of Harrisburg, Perry Co 717-444-3265

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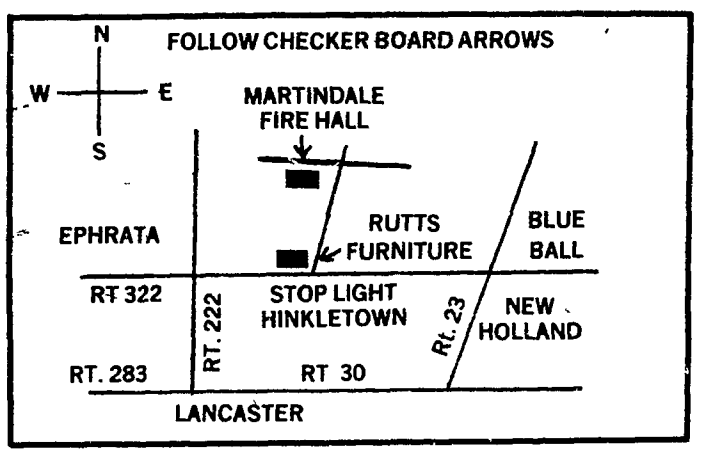

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YOU AND YOUNG'S - PARTNERS IN PERFORMANCE

Ruth Kauffman creates things from nothing

BY SALLY BAIR
Staff Writer

Mrs. Ralph M. Kauffman, R2 Lancaster, laughingly says, "I never throw anything away." This trait, and a lot of talent, helped send a creation of Ruth's to be judged in competition at the state meeting of the Pennsylvania Society of Farm Women.

When the contest was announced in her local Society, 23, Ruth decided right away what she would make. As it turned out just two members of the society made something, and they both chose the same material - grocery bags!

Ruth created a dried weed arrangement in an old honey jar covered with woven strips of grocery bags. The effect was beautiful and it filled the bill of the contest, named "something from nothing." It was Ruth's that was chosen to represent her Society in the county contest, and there it won out over the other entries to go on to state competition. The winner will be announced this week during the meeting.

Anyone who knows Ruth is aware that it would be natural for her to come up with a winning idea. Her creative talents are evident everywhere in her large farm home especially with the Christmas season just behind us. She has lovingly decorated every nook and cranny with natural and homemade items, and from the minute a visitor drives down the long driveway and spies the decorated lamppost and the butcher kettle filled with greens, he feels welcome and cheerful.

Ruth said she tries to make something new each Christmas, and always makes a few gifts. "I like to make Christmas decorations. I will see things and come home and try them. I am surprised at how they turn out, sometimes," she said.

Although she had open heart surgery two years ago and had a pig valve implanted in her heart, she goes full steam and is full of energy and ideas. Ruth works full time at RCA where she has been employed for 28 years.

She recalls that she has always been interested in crafts. "As a little kid I used to sit and string glass beads, and then take them apart and string them again. We didn't have many things then." She also made Indian woven bracelets as a youngster. "I used to make crepe paper flowers and I would cut tin cans and put the flowers in them."

When questioned about how she gets so much accomplished, Ruth laughs. "I'm not organized. To begin with, I like to be where everything is going on I don't like to go away from the activity. And I don't find time to sew."

Her latest effort at creativity is decorating fungi from trees. She takes a sharp pick and draws a picture on the fungi by scratching below the surface. The result is very pretty and unusual.

Ruth was a charter member of Society 23 which was organized 29 years ago, and she feels the society really met a need to help do things in the community.

She states, "They are still filling a need, perhaps even more so. There are more ways of transportation now and women can be out more." She added that her Society's main money-making project is to sell food at farm sales, something she enjoys. "You get to see everyone, and we have good food," she adds emphatically.

The Kauffman's live in a farm house built in 1868 on property that has been in the Kauffman family since it was deeded by William Penn's sons in 1762. The deed, which hangs in the kitchen, is made to Andrew Coffman, and is signed by James Hamilton. That deed was for 400 acres, which was divided among four sons.

Actually, the present Kauffman's share some ancestors, because Ruth's grandfather lived on the farm until he was 13 years old. There is still furniture in the house left by his family.

Ruth Kauffman holds a basket containing antique wooden letters. On the mantel the letters spell "peace."

Kauffman's grandfather and father lived on the farm, and Ruth and Ralph purchased it from Ralph's mother 20 years ago. When they were first married 37 years ago, they lived on the tenant side of the house for nine years before moving to a house at the end of the lane. They returned 19 years ago, and have made the house into a comfortable dwelling filled with memorabilia and furniture.

Ruth said the house was in "basically good shape," when they moved, with the foundation still in good condition. "The chimney needed repair," and there was other work undertaken, primarily papering, painting and floor sanding.

The Kauffmans raised swine, sheep and tobacco for years, but now rent the farmland. All the original buildings remain, with the exception of an ice house. Ruth recalls fondly the years when there was a lot of work, but

Homestead Notes

adds, "I like farming and working in the fields, but I didn't miss the work when we stopped. There were so many things I wanted to do and I didn't have time then."

Along with deeds to the property which were passed down when they received the farm. there are boxes of letters which Ruth enjoys reading through. She has framed one letter from a Kansas boy describing events in 1858 in Kansas.

In their home, the kitchen room was built first, with a basement and a summer kitchen and rooms above the kitchen for sleeping. There was a chimney corner where the stove sat, which was changed into a working fireplace. That, too, has been changed, as the Kauffmans went the way of so many others, and now enjoy an airight wood stove in the fireplace.

Ruth notes that the steps to the basement and summer kitchen are worn very thin, whereas the steps to the upstairs are still in good shape. She has learned that the workers, of which there are many on farms in earlier days, walked up to the kitchen from the basement, but were required to go through a trap door to the second floor to sleep, thus sparing the steps.

A porch on the original house was built in and expanded, and the Kauffman's now have a beautiful family room and entrance. Ruth explains that the stones on the floor are fieldstones from their property, adding that they collected them over the years. She used them for flooring so that it would not require much care. A fireplace is another feature of this addition.

For many years one of her goals was to fix up the graveyard which has been on the property but was destroyed when the road was made. "They cut through the graveyard and just stacked the stones. One of my goals was to stand the stones up and keep after it. I mow there once a week now," she says proudly.

The graveyard project was of interest to both Ralph and Ruth, since relatives of both were probably buried there. Many of the gravestones were written in German, but Ruth said there were some field stones in the shape of an Indian arrow with only initials scratched on. She recalled a story from her childhood about an Indian who used to stop at the farm and would sleep there and take food, but who could speak no English. She said that perhaps it was this Indian or his relatives who had been buried in the graveyard.

Ruth likes to hunt Indian arrow heads, and although her husband has found many on their farm she had always been unsuccessful until just before her operation two

(Turn to Page C4)

One of Ruth's latest achievements is to scratch pictures on fungi from a tree. She uses a sharp pick and scratches the picture freehand while the fungi is still relatively fresh.

Decorating for Christmas is something Ruth really enjoys, and here she works on a table centerpiece. The "apples" are really crepe paper covered with wax.

Ruth makes eight varieties of Christmas cookies, and enjoys making attractive trays to serve and to give as gifts.

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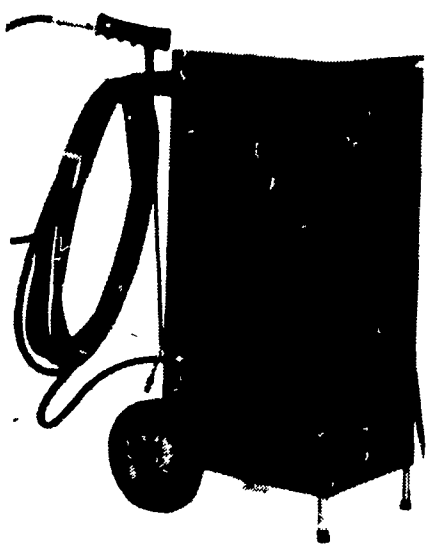

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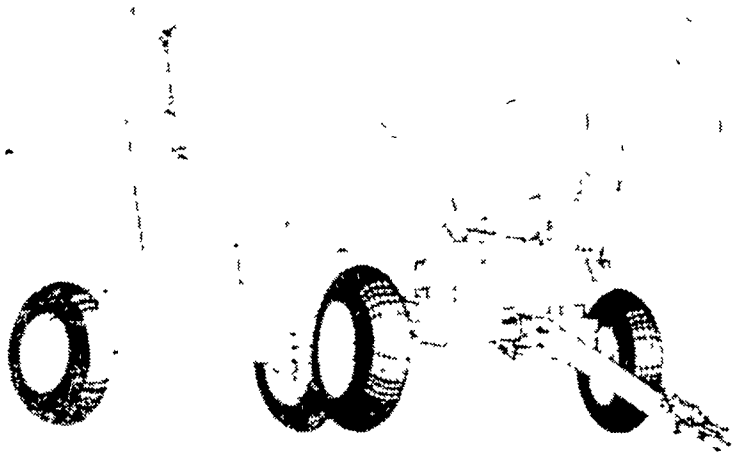

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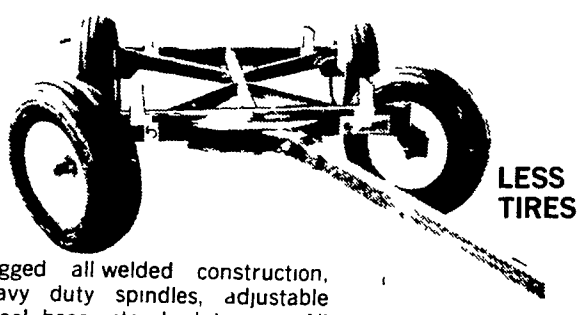

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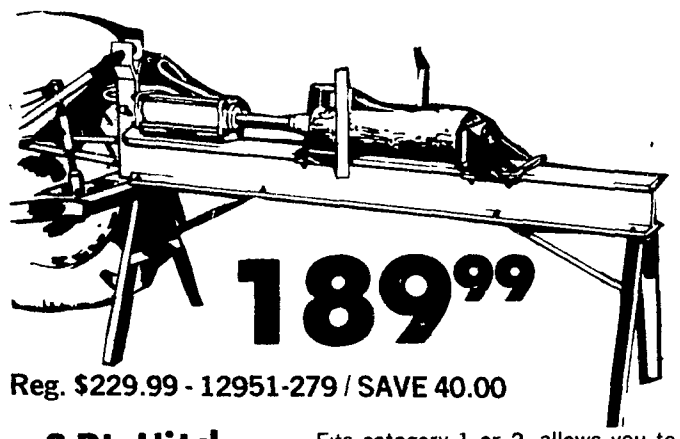

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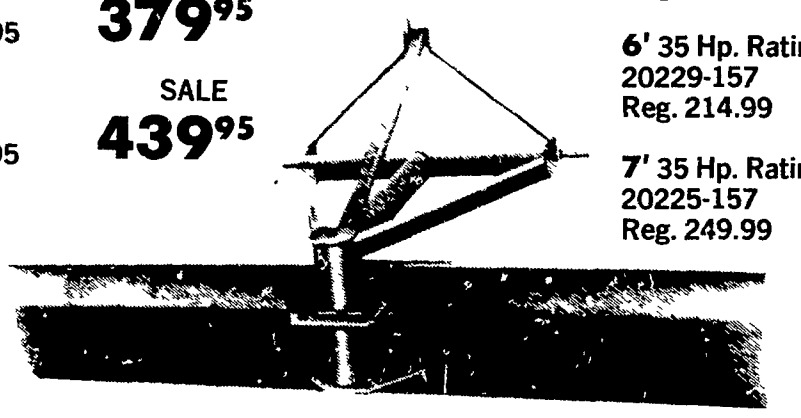

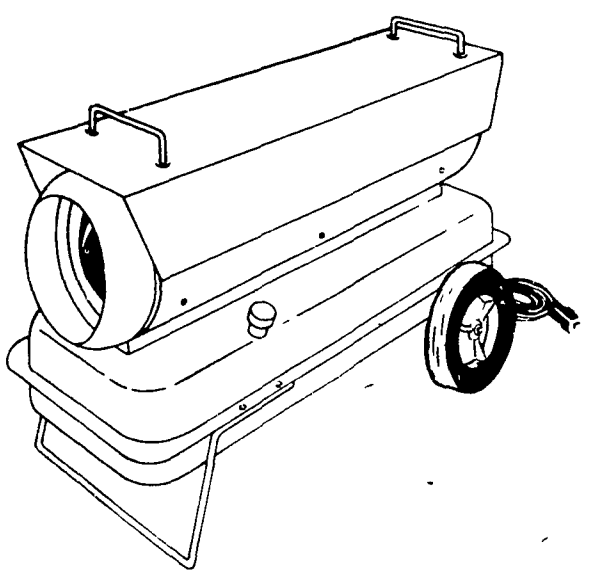

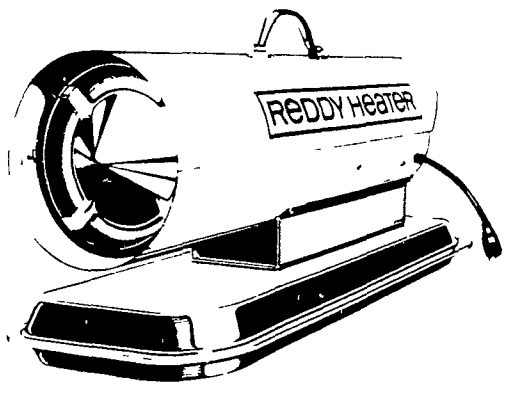

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Ruth Kauffman

(Continued from Page C2)

years ago. "I found my first Indian arrow and I took it as a sign of luck." She has also found bottles in their fields

Another source of treasures on their farm has been an old mill, which was once in operation, but has seen other used over the years. She has a huge corner cupboard which she moved into the main house from there. There is another corner cupboard in her dining room which came with the house, and Ruth surmises it might be from the original house built further up the lane from their present home.

The Kauffman home has been opened several times in recent years for tours, including the Lancaster County Art Association tour, a Mennonite church tour and a Millersville tour. Ruth enjoys having visitors to her home to share in the history there.

Entertaining is something she and her husband both enjoy, but she recalls, "I was standing in the kitchen during the Lancaster Art Association tour and I looked around and realized I was surrounded by people I didn't know. It was an odd feeling."

Along with the old furniture, most of which was handed down through their families, Ruth has many large oval picture frames, some of which she has filled with scherenschnitte which she has cut. She also does tinsel painting.

"I like cooking and I like to bake. I made eight different varieties of Christmas cookies, but I give them all out. I pack boxes and take a lot into work and I gave some to my insurance agent. I enjoy making them, but it would be unreasonable to eat them all," she says.

She stresses that while she and her husband enjoy entertaining, "I don't have parties. I have a fair amount of guests."

On the Kauffman's 25th wedding anniversary, they came up with the idea of holding an "Old Acquaintance Day," and invited everyone who had come to the farm through the year.

She related, "There was an ice pond here, and the ice was stored in the ice house. People would come here up until July to get ice. We invited everyone who had any contact with the place. It was terrific. We had 80 people, including people from California."

Ruth enjoys flowers in the summer and says, "I think I have a green thumb up to my elbow. We both enjoy sticking seeds in and watching them grow." They also have a large garden, and she freezes many vegetables to enjoy in the Winter.

A country-life enthusiast, Ruth says, "I just like it. I'm independent. There isn't anyone prying. You can be to yourself when you want to be and you can have company when you want it."

Ruth has projects planned which will keep her busy for years to come. "I have a lot of furniture I'd like to do over. Every place I look I see things to be done."

Ruth is a member of the American Business Wom Association, the Eastern Star and the Central Manor Church of God.

Her comfortable, cozy farm house is sure to continue to be filled with evidence of Ruth's talent and energy as she takes an interest in all that is about her.

Sale Reports

A large Public Auction was held at Mar Ray Farms by Raymond B. Long on December 27th.

There were 724 registered bidders and approximately 1200 people at the sale held two miles north of Boyertown, Berks Co, Pa The crowd included folks from five different states.

High prices were received all day and included the following Oliver White 270 D Tractor $11,250, J D 2640 Tractor $11,200, Gehl Skid Loader $5000, Grain Chief 450 bu. PTO Batch Dryer $8800, 1965 Chev. Roll Back Truck $5600, Chev. Truck w/aluminum cattle body $10,400 and Mack D Truck-Trailer $12,750.

Sale conducted by Ralph W. Zettlemoyer Auction Co.

FmHA to resume housing loans

WASHINGTON, D C — The U.S. Department of Agriculture will resume making housing loans and grants, Alex Mercure, assistant secretary of agriculture for rural development, said Wednesday.

Farmers Home Administration, the credit arm USDA, had suspended certain new housing loans and grants because legislative authority had expired Dec 1 New authorization became effective after Congress passed the Housing and Community Development Act and President Carter signed it into law Dec. 21

Programs affected were the section 502 low to moderate home ownership, section 515 rural rental housing and the section 523 technical assistance grants and self help site loans These programs represent most of FmHA's rural housing lending authority.

Previously, Congress had appropriated $4.9 billion for all FmHA housing programs for fiscal year 1980. That represents a slight increase over the FY 1979 budget.

FmHA invested nearly $14 7 billion in rural areas programs in FY 1979.

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Junior Cooking Edition

This week's Junior Cooking Edition includes a variety of our younger readers favorite recipes

They have sent main dish ideas, salads, sandwich ideas, and a chocolate syrup topping.

We love to hear from all our young readers Send in your favorite recipes to **Lancaster Farming,** Junior Cooking Edition Box 366, Lititz, PA 17543

Be sure to include your complete name, age, and address as well as a complete list of ingredients and directions

PINEAPPLE — GELATIN SALAD

1 14 ounce can sliced pineapples
1 3 ounce package jello, your choice
1 cup boiling water

In a bowl combine 1 cup boiling water and gelatin Stir until gelatin is dissolved Pour the juice of the pineapples into gelatin. Leave the pineapples in the center of the can and pour gelatin into the can, inside and around the pineapple rings You may have some of the gelatin left over. Set gelatin and pineapples into the refrigerator until firm. To remove from the can, run hot water over the sides and bottom of the can until gelatin is loose and will slide out easily. Put gelatin on a plate With a knife, cut between the pineapple slices

Rachel Kurtz, Belleville, Pa.

SOYBEAN DIP SANDWICH SPREAD

1 cup smashed cooked dried soybeans
¼ cup sweet pickle relish
¼ cup salad dressing
4 oz. pasturized processed cheese
1 cup instant dry milk
½ cup water
1 teaspoon minced green pepper
2 teaspoon minced onion
½ cup mashed chopped meat, lightly packed
1 teaspoon worchestershire sauce

Blend mashed cooked soybeans, sweet relish, salad dressing, milk, water, and grated cheese. Heat only long enough to melt the cheese. Add chopped meat, onion, green pepper, and worchestershire sauce Stir until well blended. Serve warm as a chip dip or use cooled as a sandwich spread Warm dip may be served on toast.

Lucy Bender, Catlett, Va.

LIMA BEANS AND PORK

2 cups lima beans
2 cups tomatoes
1 small onion
1 cup pork, cut fine
2 cups water
1½ teaspoon salt
2 tablespoons flour

Brown meat and onions, add beans, tomatoes, water and salt, bring to a boil Make a paste with a little flour and water Simmer 30 minutes.

Mary Nolt, Age 12, Ephrata, Pa.

CHOCOLATE SYRUP

1 cup cocoa
2 cups water
3 cups granulated sugar
½ cup brown sugar may be added for better flavor

Mix all ingredients together and bring to a boil. Remove from heat and add vanilla. Use small portion in milk to produce chocolate milk.

Makes about 1 quart of syrup.

Elmina M. Miller, Age 8, Wyoming, Del.

LIME SALAD

1 package lime gelatin
½ cup boiling water
1 dozen large marshamallows
1 cup diced celery
½ cup chopped nuts
8 oz. cream cheese
1 tablespoon mayonnaise
1 can crushed pineapples, do not drain
1 cup heavy cream, whipped

Dissolve gelatin in ½ cup water, add marshmallows. Keep liquid hot until marshmallows are dissolved. Mix celery, nuts, cream cheese, and mayonnaise. Combine above mixture with pineapples and whipped cream.

Yield. 1 large mold

Sylvia Fisher, Age 11, Gordonville, Pa.

PINEAPPLE SALAD

1 pound can sliced pineapples, drained
1 3 oz. package cherry gelatin
¾ cup hot water

Dissolve gelatin in hot water. Add the juice which was drained from the canned pineapple

Pour gelatin over the pineapples slices that are in the can After it has thickened, make two hole in the other end of can Slice the gelatin slices onto a plate. Serve individual slices on a lettuce leaf and add your favorite topping.

Susan Dodrer, Age 8, Littlestown, Pa.

Busy Beavers make candy

FLEMINGTON, N.J — At the December 13 meeting of the Busy Beavers 4-H Prep Club, held at the home of Pat Lohner, leader, the members had a busy time making Christmas candy including: Chocolate Covered Pretzels, Chocolate Molds, Peanut Butter Munchies, Marshmallows, Fudge, and Cream Cheese "fruit" candy. Each child drew the candy he or she would make, and every group of two made one kind of candy. Everyone was able to taste a sample of the different varieties of candy once it was made.

Terry Martin, club leader, reported that it was messy but fun, and that everyone pitched in to clean up afterwards.

For additional information about the Prep 4-H Program (for children ages 7-9) contact Terry Opshal, 4-H Program Associate, at 788-1341.

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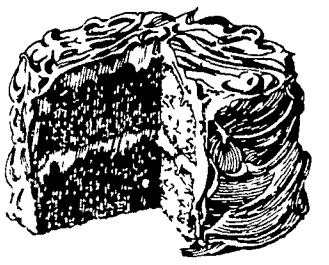
Home On The Range



Versatile pork recipes yield tasty meals

Mealtimes can be adventures in good eating when tasty and nutritious pork highlights the menu.

Pork gives you a chance to economize two ways

First, pork is in plentiful supply making it a good buy with lots of variety from which to choose.

Secondly, today's pork is a good buy from a nutritional standpoint — leaner, with 70 calories per ounce of cooked lean meat, higher in protein than ever before and an excellent source of the B vitamins, according to Ann Norman, Director of Consumer Relations, National Pork Producers Council.

Why not indulge in these pork recipes supplied by our readers and the NPPC

Want to think in terms of two meals from one meat purchase? Select a boneless pork loin roast and prepare Party - Time Glazed Pork Roast. Serve the left-over roast as a 'planned over' meal with Pork Barbecue Sandwiches.

STUFFED PORK CHOPS

6 pork chops
1½ cup toasted bread cubes
½ cup chopped unpared apples
2 oz. sharp natural Cheddar cheese, shredded
2 tablespoons light raisins
2 tablespoons melted butter
2 tablespoons orange juice
¼ teaspoon salt
dash cinnamon

Cut pocket in each chop along fat side. Salt and pepper inside of pockets. Toss toegether bread cubes, apple, cheese and raisins. Combine butter, orange juice, salt and cinnamon. Pour over bread - fruit mixture and mix gently. Stuff pork chops lightly. Place in a shallow baking pan. Bake at 350 degrees F for 1½ hours. Cover with foil; Bake 15 minutes more.

Barbara Russell, Pine Bush, New York

GERMAN PORK AND SAUERKRAUT

4½ - 5 pound pork loin roast
2 quarts sauerkraut
2 large onions
2 tablespoons shortening
2 tablespoons flour

Place quarter of sauerkraut in the bottom of a large kettle.

Slice a portion of onion on top of sauerkraut. Divide pork loin into three parts.

Lay one piece of pork on top of onion and sauerkraut. Repeat leayers until sauerkraut and onions are on top. Add enough cold water to cover the top of the sauerkraut. Cook for 2 - 2½ hours or until pork is tender.

In a small saucepan, melt the shortening, then stir in the flour gradually until it forms a thin paste and stir until lightly browned. Remove pork from sauerkraut and add the paste to sauerkraut.

This will thicken the sauerkraut.

Yield. 6-8 servings

Mrs. Eva S. Rubinosky, Upper Gwynedd, Pa.

PIG STOMACH

1½ pounds sausage
3 diced potatoes
1 diced carrot
1 medium head cabbage, chopped
5 slices of bread, cut in pieces
¼ cup milk
salt and papper to taste
1 pig stomach
2 eggs

Combine all ingredients except pig stomach. Mix thoroughly. Fill stomach with mixture and sew open ends shut with a needle and thread. Bake in a 350 degree F. oven for 2 - 2½ hours. Bake in a covered roasting pan.

Mrs. Henry Yoder, Kirkwood, Pa.

PORK BALLS ON PARSLIED NOODLES

1 pound ground pork
1 cup soft bread crumbs
¼ to ⅓ cup milk
1 egg
¼ cup finely chopped onion
1 teaspoon salt
1 teaspoon lemon juice
¼ teaspoon paprika
1/8 teaspoon nutmeg
1 tablespoon butter or margarine

Sauce

1 tablespoon butter or margarine
1 tablespoon flour
¼ teaspoon dry mustard
1½ cups milk

Noodles

1 package, 8 ounces, egg noodles
2 tablespoons butter or margarine, melted
2 tablespoons chopped parsley

To prepare pork balls, combine bread crumbs and milk; allow to soak a few minutes. Add ground pork, egg, onion, salt, lemon juice, paprika and nutmeg mix well Shape into [illegible]

Melt butter or margarine in 10 - inch skillet. Brown pork balls well on all sides, turning as needed.

Cover and cook slowly about 18 minutes, until pork is cooked. Remove pork balls from skillet; keep warm. Prepare sauce. Add butter or margarine to skillet; melt. Blend in flour and mustard. Add milk; cook until sauce is thickened, stirring constantly. Return pork balls to skillet; heat thoroughly Cook noodles as directed on package. Drain well. Toss with melted butter or margarine; sprinkle with parsley. Serve pork balls and sauce over noodles.

Yield: 4 to 6 servings

PORK BARBECUE SANDWICHES

15 - 18 thin slices of leftover Party - Time Glazed Pork Roast
1 cup catsup
1 cup water
½ cup finely chopped onion
¼ cup cider vinegar
2 tablespoons light brown sugar
1 teaspoon paprika
¾ teaspoon liquid smoke, or to taste
¼ teaspoon celery seed
6 to 8 drops hot pepper sauce, or to taste
5 to 6 toasted hamburger buns or hard rolls cut in half
butter or margarine, softened

Combine catsup, water, onion, vinegar, brown sugar, paprika, liquid smoke, celery seed and hot pepper sauce in saucepan.

Bring to simmering stage; simmer about 15 minutes to blend flavors and thicken slightly. Heat pork slices in barbecue sauce in skillet over low heat; turning slices once. Spread cut surfaces of buns or rolls lightly with butter or margarine.

Place heated pork slices on bottom halves of bunns or rolls Add barbecue sauce to taste and cover with bun or roll tops.

Yield: 5 to 6 sandwiches.

PARTY-TIME GLAZED PORK ROAST

4 to 5 pound boneless pork loin roast, double loin, rolled, tied
1 jar, 12 ounces, apricot preserves
¼ cup light corn syrup
3 tablespoons cider vinegar
½ teaspoon dry mustard

Place roast on rack in shallow roasting pan. Insert meat thermometer so bulb is in center of thickest part of roast Roast, uncovered in a 325 degree F oven about 2½ to 3 hours or until meat thermometer registers 170 degrees F. While roast is cooking prepare glaze. Combine apricot preserves, syrup, vinegar and mustard in saucepan. Bring to simmering stage; simmer two or three minutes to thicken slightly. Brush glaze over roast 2 or 3 times during last 30 minutes of cooking time.

Yield 8-10 servings

(Turn to Page C8)

WANTED: RECIPES!

Home on the Range is your recipe column! We need recipes for the following themes which will be features in the coming weeks. Send your recipe to Lancaster Farming, Home on the Range, Box 366, Lititz, Pa. 17543

JANUARY

12	Delectable Doughnuts
19	Colossal Chicken Dishes Deadline January 11
26	Scrumptious Cakes Deadline January 18

FEBRUARY

2	Pies a Plenty Deadline January 25

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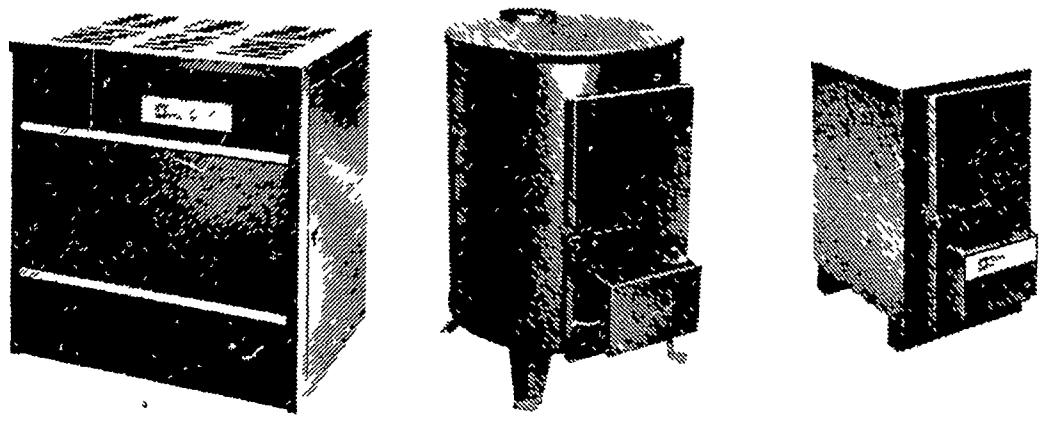

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We give you a personal invitation to visit us at Shenandoah's exhibit during Harrisburg Farm Show January 6-11, 1980.

We are located at the lower concourse in the large arena near the 4-H exhibit.

Home on the Range

(Continued from Page C6)

ZWIEBELKUCHEN — SCHWARTZWALDER ART

Crust

½ cup milk
¼ cup margarine
1 pkg. yeast
¼ cup very warm water
2 beaten eggs
½ teaspoon salt
3 - 3½ cups flour

Topping

1 cup finely chopped bacon or country ham
2 - 3 large onions, sliced
2 tablespoons butter or margarine
2 teaspoons caraway seeds, optional
1 cup light cream
2 eggs
½ teaspoon salt

Scald milk, add butter and let cool. Meanwhile, sprinkle yeast on warm water, stir until dissolved.

In mixing bowl, beat eggs, add salt, milk and yeast.

Gradually add flour, beating well, Use only enough flour to make a soft dough, as soft as can be handled to knead thoroughly. Knead 6 minutes

Grease top of dough, cover and let rise in warm place until doubled, knead down for 1 minute.

Press ½ dough in each of two greased 9 inch pie plates.

Pat it evenly, let rise 20-25 minutes.

In a skillet, fry bacon slightly, remove and set aside, drain fat. Add butter and onions to pan, cook until onions are clear.

Sprinkle caraway on dough, press in slightly, sprinkle onions, then bacon over dough.

Beat eggs with cream and salt, pour slowly over the two pies. Bake in a preheated oven, 350 degrees F, 20-25 minutes or till tops are brown and crusts are baked.

Serve warm with creamed potato soup.

Pies may be frozen and reheated. Halve the recipe for a small family.

Annie Stauffer, Loueville, Md.

Recipe Swap

Question: Would like to see some recipes in your paper for home butchering including scrapple, sausage, kielbasi, and hot dogs.

Also, canning recipes using meats such as stews, barbecue, chicken, and canned beef

R. Hoover

Answer: This is a good recipe for scrapple, says Mrs M E Gerhart She lives on a farm and this is the way she knows to make scrapple

3 cups of flour
2 cups of mush meal
2 cup of buckwheat flour

Heat Don't let the juice get too hot or it will get lumpy

Twin Valley FFA honors two supporters

ELVERSON — Two long time supporters of the Twin Valley FFA will be honored for their support at the Pennsylvania FFA Mid-Winter Awards Convention on Wednesday, January 9, 1980 Francis Wood, assistant superintendent of the Twin Valley School District, will receive the Honorary Keystone Degree; while Vernon Orr, pioneer seed corn dealer from Geigertown will receive a Citation Award.

Wood was instrumental in establishing a vocational agriculture program and FFA Chapter at Twin Valley High School when the Twin Valley District was formed. Wood has been a continued supporter of the Vo. Ag - FFA Program as High School Principal and in his present position as Assistant Superintendent. Without his support it is doubtful there would have been an FFA Chapter at Twin Valley.

xxx

One of the first reports of crop injury believed to have been caused by insecticide accumulation in the soil was reported – 1908.

Vernon Orr has provided invaluable support to the FFA Chapter's Corn test plot through his capacity as a local seed corn dealer. He has provided seed for the test plot and additionally has annually donated seed to members for use in their productive projects. Orr also provided valuable support to the Twin Valley Chapter while serving as custodian of Twin Valley High School.

The Twin Valley Chapter wishes to publically thank both Wood and Orr for their guidance and support and congratulate them on being honored by the Pennsylvania FFA Association.

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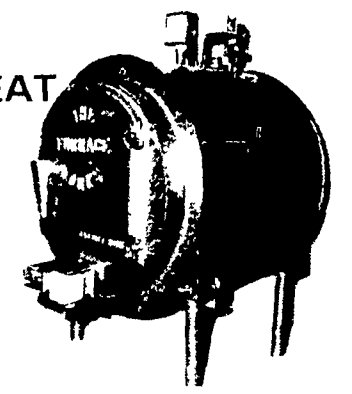

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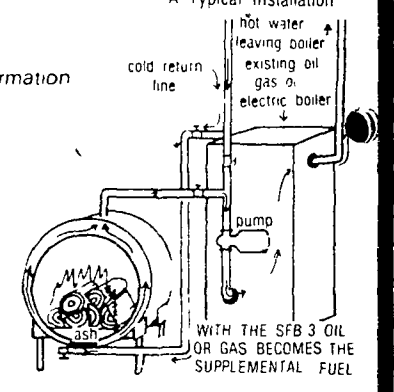
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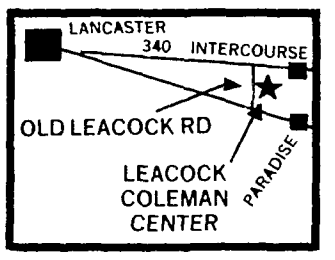

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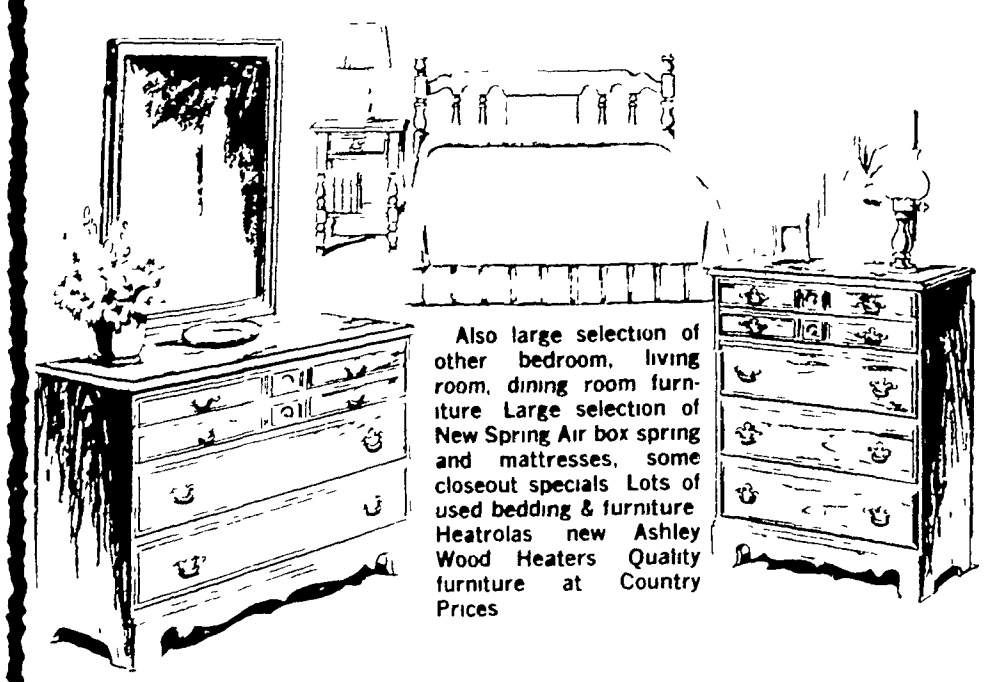

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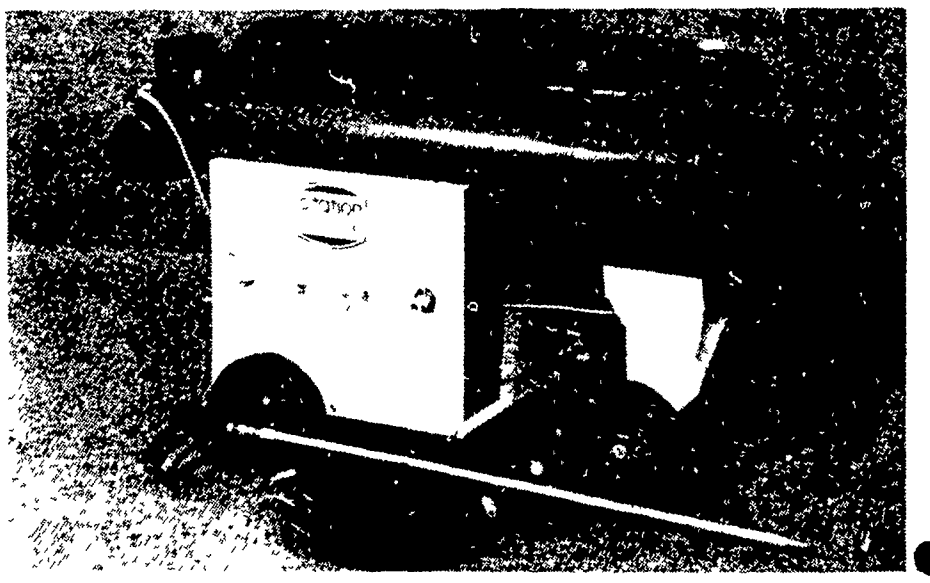

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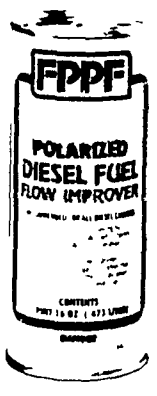

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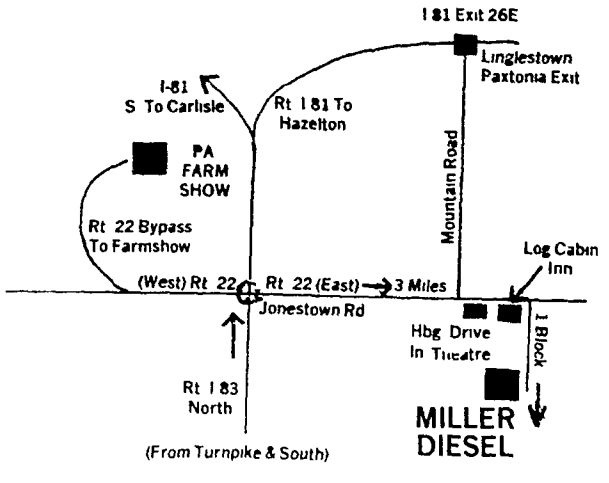
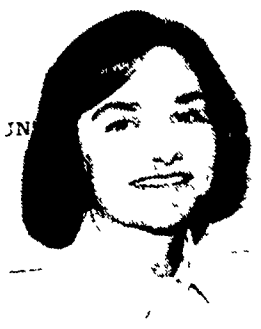




Ladies Have You Heard?

By Susan Doyle

Lancaster Home Economist

WHAT'S A TANGELO?

Many consumers wonder from time to time what kind of citrus fruit the tangelo is. Most people assume it's a cross between an orange and a tangerine. That seems logical since it has the characteristics of both. Actually, it is a cross between a grapefruit and tangerine. It's orange in color with a smooth, somewhat loose skin. Flavor is more tart than oranges or tangerines. When choosing tangelos, look for those that are firm and heavy for their size with smooth, thin skins.

ABOUT FABRIC SOFTENERS

Static cling is a winter annoyance with synthetic and permanent press fabrics. It's both unsightly and unattractive. It's also unavoidable. Adding fabric softener to your laundry will give both softness and fluffiness and reduce static cling.

•You can choose from two basic types of fabric softeners — liquid softener, which you add to the rinse cycle, and tear-off sheets which come on a roll and are used in the drier. If you don't have a fabric softener dispenser on your washer, you will probably find the tear-off sheets more convenient.

•The tear-off sheet is basically a carrier of the softening formulation. You can get the same effect by saturating a wash cloth in liquid fabric softener and adding it to the load in your drier.

•It isn't necessary to use fabric softener in every wash load; occasional use is adequate.

•Control the results of using liquid fabric softeners with careful measurements.

•If you use softener with towels, where fluffiness is desirable but moisture absorption is important, skip the use of the fabric softener occasionally. It reduces absorption.

•Never add any kind of fabric softener to a bleach dispenser or a detergent dispenser. These features are not equipped to handle softeners.

•Although fabric softener is effective in both hard and soft water, do not use it in rinse water containing a packaged water conditioner.

•Take care not to pour fabric softener directly onto fabrics as it may cause staining. The stains can attract soil and rust in water, and you'll end up with stains that look like grease.

•To remove fabric softener stains, wet the area, rub it with a bar of hand soap, rinse in warm water, then wash the entire garment in the usual manner. If you still see the stain, it may be from rust. In that case apply a rust remover.

FURNITURE NEEDS SPECIAL TREATMENT IN WINTER

Did you ever sit down in front of a cozy winter fire and feel as if the chair was going to give out? Or heard it squeak as if it would fall apart? Strange as it may seem, the problem is dry air. Even in these days of thermostats set between 65 and 70 degrees, the central heating system in your home dries out the wood in your furniture.

All wood pieces suffer from dry air. Furniture joints become loose. Some varnished or lacquered finished pieces may even crack. You can prevent this damage by adding moisture to the air. Lots of well watered plants may help. But if your home is quite dry, you may need to buy a humidifier. Even a small one wil help your furniture. But be careful not to overdo it. If windows steam up or frost, there's too much humidity.

Another winter enemy of furniture is strong light. Although the sun is stronger during the summer, trees shade your home and keep out much of the light. In the winter there is no such protection.

You probably find it pleasant to see as much light as possible on short winter days, but open curtains and shades mean light can fade draperies, carpeting, upholstery and even wood.

To keep your furniture in good condition, choose window treatments which will give protection and still let in some light. Some types of shutters or blinds filter light while not cutting it out completely. A semi-sheer fabric will do the same thing. Or you may want to cover only that part of the window where the light is most direct.

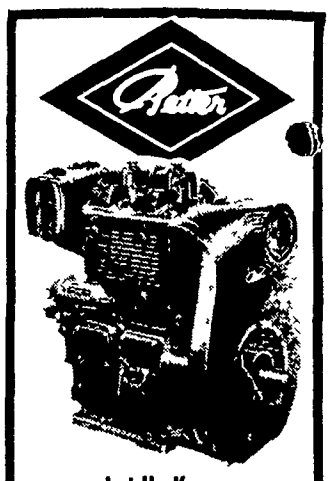
A humidifier and proper window treatment can keep your furniture in good condition through the winter. They can also help you conserve fuel, since a humid room feels warmer that a dry one, and good window treatments help block drafts.

Five re-appointed to Maryland board

ANNAPOLIS, Md. — The Maryland Agricultural Commission at its December meeting re-appointed five men to serve on the Grower-Tennant Advisory Council at the Maryland Wholesale Food Center market at Jessup.

They are: William H. Kleinwachter of Preston, Caroline County; Wallace Luffman of Salisbury; George Huber of Bradshow, Baltimore County; Andrew H. Lohr Jr. of Churchville, Harford County; and Earl E. Bauer Jr., of Baltimore County.

All are active growers of fruits and vegetables and will represent farmer interests on the Council which has proven to be an effective means of ironing out differences between farmers and commercial buyers.



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Farm Women Societies

Lancaster Co. Society 4

Ladies of Lancaster County Farm Women Society 4 celebrated the holiday season with a covered dish luncheon at their December meeting held at noon on December 27 1979 at the home of Mrs Richard Wile, 129 East Main St , Mountville, with Mrs. Mary Snyder as co-hostess

Mrs. Carl Siegrist, president, conducted a business meeting following the buffet. Devotions were led by Mrs Elmer Schroll, who read the Christmas Story from Scripture, Luke 2 1-20 Twenty-seven members answered roll call by telling their childhood memories of Christmas One guest Mrs David Gehman of Ironville, was introduced by Mrs Robert Garber

Mrs A W Wickenheiser, of Landisville was presented with a gift certificate on the occasion of her fiftieth Wedding Anniversary by Mrs. Henry Reist, chairman of the Sunshine Committee.

Two perfect attendance awards were presented by Mrs Wilbur Kauffman, chairman of the program committee, to Mrs Norman Siegrist and Miss Alice Marie Nissley They each received a bag of apples

New program books for the coming year were distributed by Mrs Reist, who has been named program chairman for 1980

A program of Christmas carols followed Mrs Kauffman read a story from Ideals entitled "The Toymakers."

Lancaster Co. Society 5

Lancaster County Farm Women Society 5 met at the home of Mr and Mrs Raymond Hess on December 29 for their annual Christmas party

The members enjoyed dessert by candlelight After devotions Christmas carols were sung

During a short business

(Turn to Page C12)

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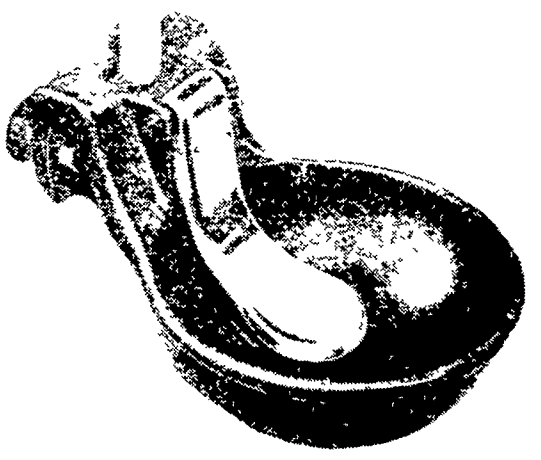

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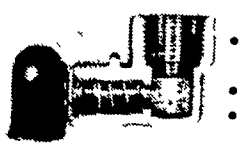

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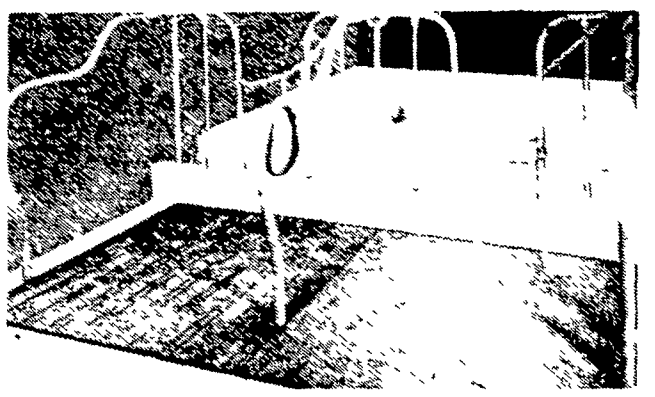

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Farm Women Societies

(Continued from Page C11)

meeting Mrs. J.G. Longenecker installed the following officers for 1980-1981: Mrs. Abram Weidman, vice president; Mrs. Luke Bruckhart, treasurer; Mrs. Woodrow Sites, recording secretary; and Mrs. Philip Myers, corresponding secretary.

A dried arrangement was presented to out-going President, Mrs. Sam Zurin Mrs. Zurin then handed the gavel over to Mrs. S G. Longencker, in-coming president.

Games were played, and it was announced that the next meeting will be held at the home of Mr. and Mrs. Walter Holbein on Saturday, Jan. 26 at 1:30 p.m.

Lancaster Co. Society 11

Lancaster County Farm Women Society 11 held their monthly meeting on December 27, at the home of Miss Mary Swarr, Mechanics Grove, with 18 members and one guest present.

Roll call was answered by giving a greeting poem from a Christmas card.

In the business meeting, reports were given and the following officers for 1980-1981 were installed. President, Mrs. Dorothy Boas, Vice President, Mrs. Betty Brabson, Treasurer, Mrs Mary Trimble, Recording Secretary, Mrs. Margaret Swarr, Corresponding Secretary, Mrs Dorothy Huber.

The new By-law books were distributed.

Program included singing of Christmas Carols, readings by Mrs. Freeda Huber and gift exchange.

The January meeting will be held on January 31, 1980 at the home of Mrs. Helen Shaub, 329 W. State St., Quarryville, Pa.

Mr. Bob Shenk, Operator of Spring Valley Landscape Service, will be the speaker.

Lancaster Co. Society 24

The Lancaster County Farm Women Society 24 met at the home of Mrs. Lea Snader, R3 New Holland at noon on December 26.

Secret sisters were revealed during the Christmas luncheon. Gifts were exchanged.

Mrs. Ray Witmer, president, conducted a short business session in which committee reports were given and plans were finalized for traveling to the State Convention in Harrisburg on January 7 and 8.

The January 30 meeting will be hosted by Mrs. Irene Naffsinger at which time members will hear reports from the state convention and the Red Cross service project.

Lebanon Co. Society 14

The Lebanon County Farm Women Society 14 recently held its annual Christmas dinner at the United Methodist Church, Campbelltown. Eight-four people attended, including members, families and friends

The entertainment for the evening was provided by Paul Homick who gave an interesting puppet show.

The first meeting of the new year will be held on January 15, 1980, home of Mrs. Jerry Yeager, R1 Hershey.

York Co. Society 9

DALLASTOWN — Society 9 of the York County Farm Women Society held their annual Christmas party and banquet on December 14 at the New Bridgeville Fire Hall. Sixty-two members and guests attended.

Featured entertainment for the evening program was vocalist Clarence Gotwalt, accompanied by his wife.

The next regularly scheduled meeting will be held on Wednesday, January 9 beginning at 7:30 p.m. at the home of Mrs. Richard Anderson Sr., R2 Dallastown. Mrs. Genette Sellers and Mrs. Howard Perry are in charge of the January meeting.

York Co. Society 12

The Friendly York County Farm Women Society 12 held its annual Christmas party and banquet at the Rutter's Restaurant, Dairyland Square, Red Lion.

A poem, "The Advent" was read by the president, Mrs. Janet Kohler. Christmas devotions were led by Mrs. Helena Stoner.

Twenty members and ten guests enjoyed singing Christmas carols and the gift exchange.

Mrs. Edgar Mundis, Dallastown, entertained the group with Christmas carols on the accordian.

The newly elected president, Mrs. Donald Lanius, distributed the 1980-81 yearbooks.

Those county officers in attendance included past county president; Mrs. Pat Sechrist, and newly elected county president, Mrs. Marie Smyser. Mrs Naomi Bupp, second vice-president of the State Farm Women Association also attended.

Mrs. Romaine Trout and Mrs. Helena Stoner will serve as delegates to the state convention in Harrisburg on January 7 and 8.

The first Society meeting for 1980 will be held at 1:30 p.m. on January 22 in the home of Mrs. Sterl Wise.

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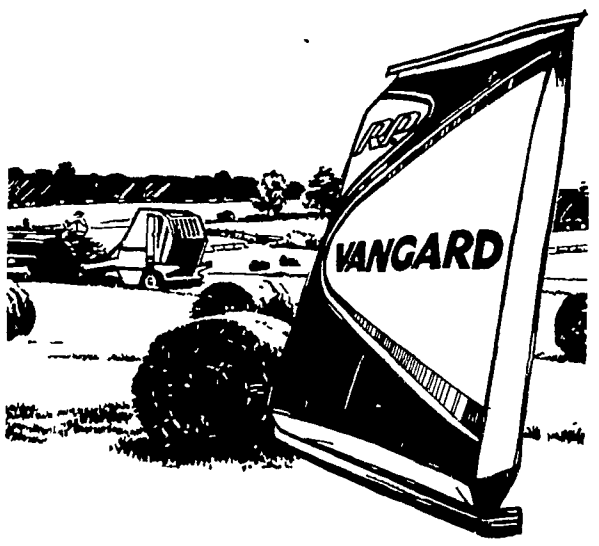

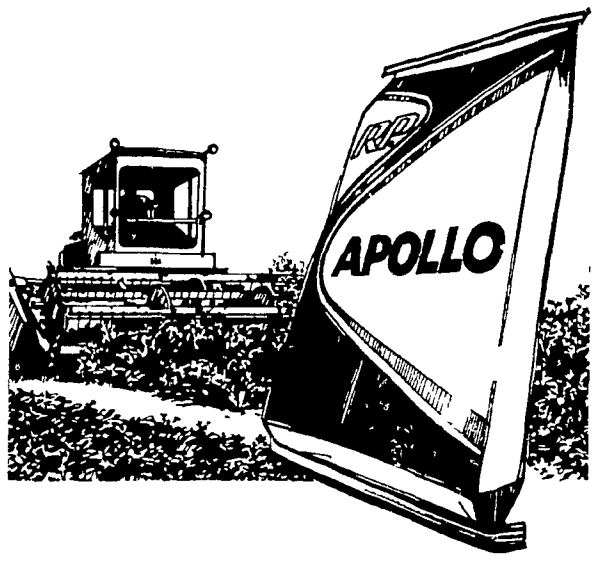

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CAERNARVON M JAMMY VG-88
8-3 365 da 28,905 M 1079F
JAMMY, the queen of the herd, has made six consecutive records over 21,000 lbs. milk. A bull calf was recently shipped to Columbia, South America.

Daughter of JAMMY

CAERNARVON STAR JANICE EX-90
6-11 355 da. 24,132 M. 874 F.
JANICE is an excellent daughter of JAMMY who has both production and type.

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5-10 330 da. 26,371 M. 1118 F. (Inc.)
TAMARA has two records over 25,000 lbs. milk and 1100 lbs. Fat. Two daughters and five grand daughters are in the herd. A bull calf was recently sent to Holland.

NAAMAN W. STOLTZFUS with one of his heifer calves sired by Pacemaker. Good cow families give Dimon-Acres the type and production desired to "get better. . . not bigger".

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Ida's Notebook

Ida Risser

Some people are very busy before Christmas but around our place we were very busy after Christmas

In fact, things got so hectic that my flowers had to wilt and hang their heads before they got any water. The weights on the Grandfather's clock almost touched the bottom of the case before I pulled them up again. The wastepaper cans bulged with wrappings before I got them to the incinerator. And, Anniversary cards didn't get sent on time and some not at all.

What was keeping us so busy? I'll tell you – it was a delayed Christmas present.

You see, my daughter came home from Hershey and said she would repaper a couple rooms as my gift. When someone offers something like that, you don't refuse. So after an hour picking out patterns, more hours scrapping off old wallpaper, we were finally ready to start. I'd hate to mention how long it took to remove my papers and books from our bedroom as it hadn't been redecorated for decades.

Anyway, I didn't prove to be a top-notch helper as I cut two long strips just a fraction too short and upset my paperhanger. But, finally we were done and a new flowered rug plus window shades installed to finish the undertaking.

And, just in time. A shower was held here for a friend of my daughters. Then the next day a big family gathering of some thirty kin; followed the succeeding day by another group of my husband's kin of like size.

Surely hope I can relax a bit during January and February and do some of the things that I've been putting off all Fall.

xxx

Eggnog can be prettily decorated with dollops of whipped cream which have been garnished with strips of citron or angelica and a bit of maraschino or candied red cherry to stimulate holly.

F.W.S. Calendar

Today, January 5
Lancaster Co. Society 6 meeting in the Fellowship Hall of the Church of the Brethren, 2 p.m.

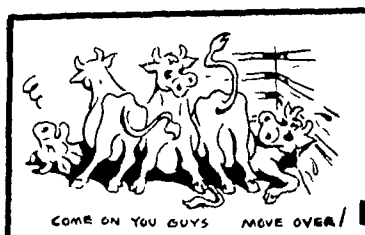
Monday, January 7
Pennsylvania State Farm Women Convention today and tomorrow in Harrisburg.

Tuesday, January 8
Lebanon Co. Society 5 meets at the home of Elta Weaver, 7:30 p.m.

Wednesday, January 9
York Co. Society 7 meets in the E. Manchester Township Building.

Thursday, January 10
Lancaster Co. Society 9 meets at the home of Mrs. Charles Fink

Saturday, January 12
Lancaster Co. Society 7 meets at the Paradise Fire Hall.



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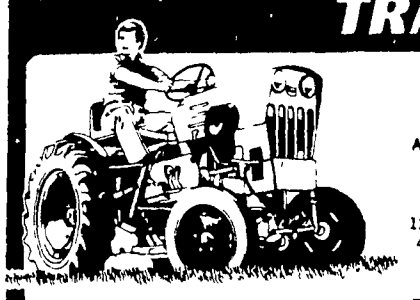

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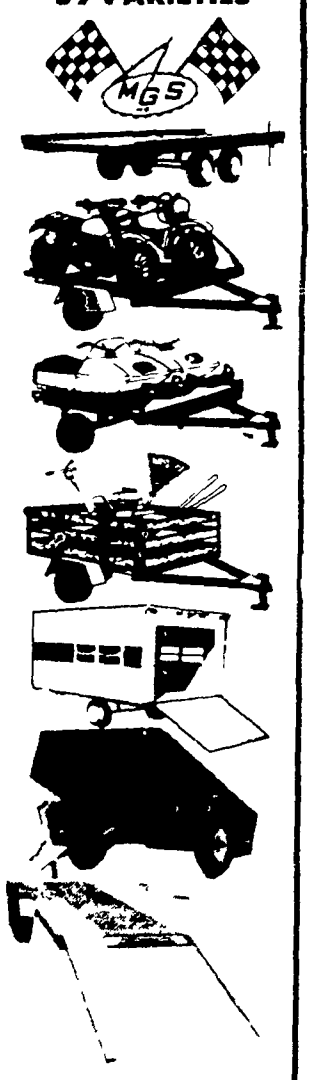

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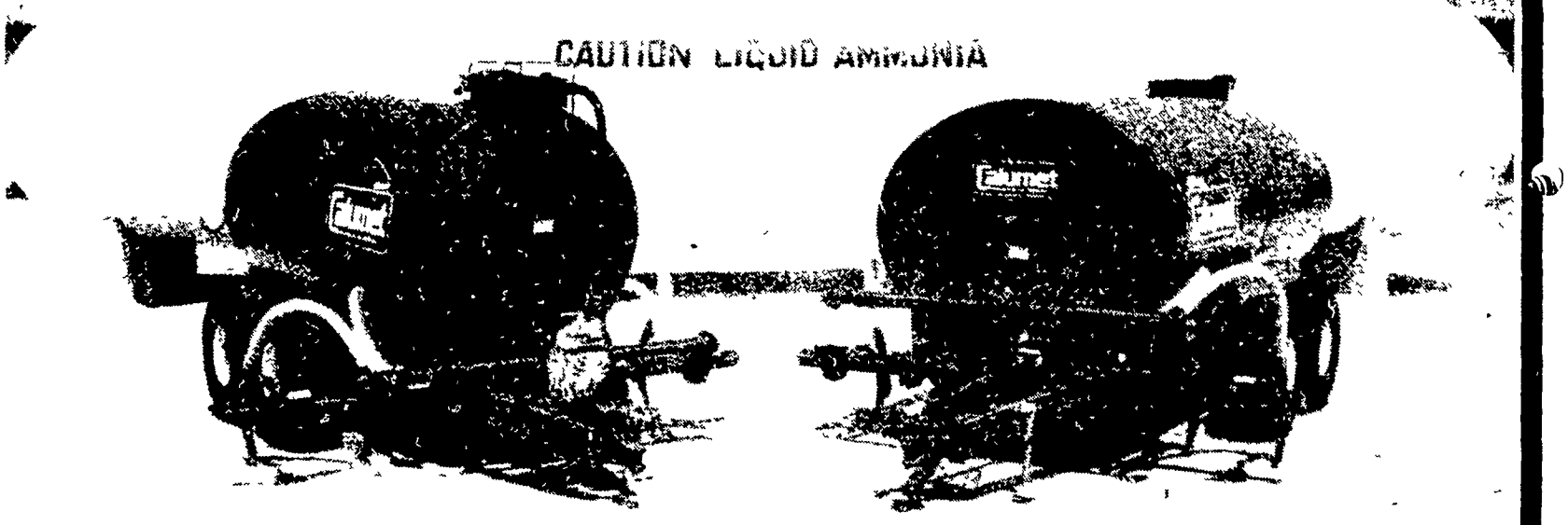

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CHORE-TIME

New CHORE-TIME®

High Moisture Corn Delivery System

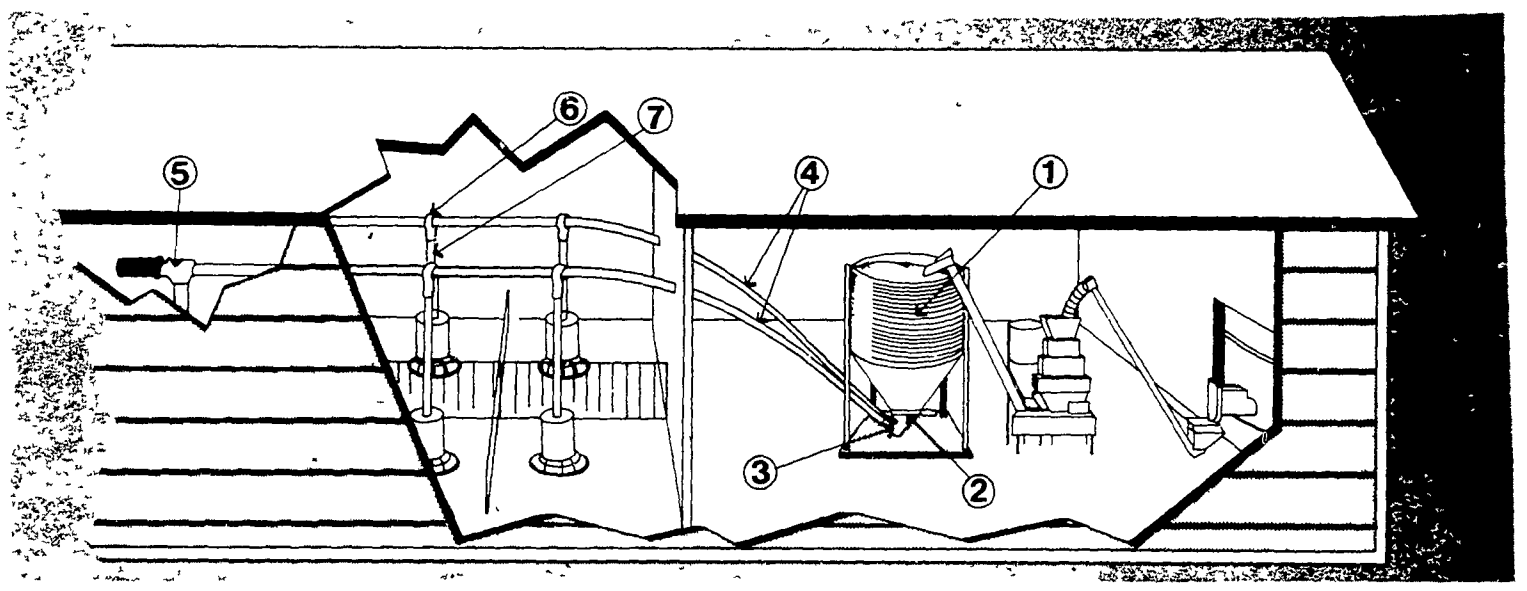
★ CHORE-TIME'S famous "coreless" FLEX-AUGER® now available for feeding corn up to 27% moisture

FLEX-AUGER's simple, reliable, energy-saving performance now offered for economical high moisture corn feeding.

You can now get the cost and energy savings of high moisture corn without having to re-invest this money and energy in complicated feed handling equipment.

The Chore-Time High Moisture Corn Delivery System uses a 2-7/16-inch diameter auger inside a 3½-inch diameter tube. The extra space eliminates wedging and prevents build up of feed in the tube.

And, the System is completely corrosion-proof: beginning with Chore Time's all-galvanized bulk feed bin. . . to the round-bottom bin boot of stainless steel and injection-molded ABS plastic . . . to the special PVC auger tube.



Typical feeding setup using new Chore-Time High Moisture Corn FLEX-AUGER System

Chore-Time's High Moisture Corn Feed Delivery System starts with our all-galvanized bulk feed bin (1). It is available in either a weatherproof model or a topless, 6-foot diameter, 2½-ton model (shown) for use inside a feed room.

The key component to this new System is the POSIFLO™ Feed Flow Control (2). POSIFLO Control prevents bridging. It assures positive feed-out of the high moisture corn, plus insures the first feed into the bin will be the first out.

The round-bottom boot (3) on the bin has no corners to catch feed and cause moldy build-up. The corrosion-proof boot is available in either single outlet or twin outlet models. This means you could have 2 augers from one bin.

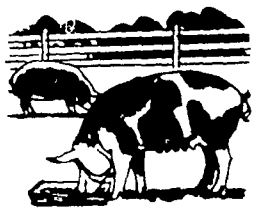
From the bin, the feed is transported to feeders by the FLEX-AUGER System (4), which can go up steep inclines and around sharp curves. FLEX-AUGER's unique, patented "coreless" auger means more feed moved per unit of energy used. For this system, a ¾ horsepower motor (5) will move 50 pounds of feed per minute a distance of up to 150 feet. And, the auger's direct drive power unit adds the convenience of more space for the motor while eliminating belt maintenance.

Outlet drops (6), drops tubes (7) and automatic controls complete the system.

FARMER BOY PRODUCTS IS YOUR COMPLETE DEALER HANDLING THE FOLLOWING EQUIPMENT

CHORE-TIME
AIR SYSTEMS & FEED SYSTEMS

FARMER BOY EQUIPMENT:



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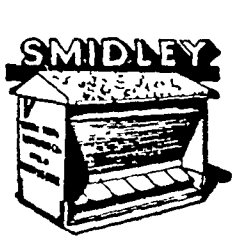

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Keystone Pork Congress announces women's program

LANCASTER — The 1980 Keystone Pork Congress will be held on February 13 and 14 at the Host Farm in Lancaster.

The Women's Committee has planned two days of programs and meetings for the wives of the State's Pork Producers.

A highlight of the program will be a lard recipe cooking contest and craft demonstrations.

A variety of taste tempting pork recipes will be available.

Mrs. Betty Rode will present a program, Marketing Our Products.

Following is a complete schedule and contest rules and entry form for the Cooking Contest.

February 13, 1980

10:00a.m. Welcome and Lard Contest
Beth Cooper, Chairman, PA Porkettes
10:30a.m. NPPC Representative
11:15a.m. Crafts - Mrs. Eugene Wingert

12:00 Lunch

1:30 p.m. Taste Tempting Pork
Mrs. Mark Nestleroth
Mrs. Barry Haldeman
Mrs. John Chapman
2:30p.m. CPR Program

February 14, 1980

10:00a.m. Business Meeting
11:00a.m. Marketing Our Products
Mrs. Betty Rode, Home Economist
Commodity Promotion Supervisor
Pa. Department of Agriculture
Bureau of Markets

11:30a.m. Crafts - Mrs. Eugene Wingert

LARD RECIPE COOKING CONTEST

A lard cooking contest will be held on the fist day of the Keystone Pork Congress at 10a.m.

Contest Rules

1. Lard must constitue at least ½ of the shortening used in the recipe.

2. The recipe should yield enough of the product to serve at least 200 taste testers. (Very tiny portions will be made from the entry.)

3. The recipe should be something that will not spoil or needs to be heated during the day.

4. Contestants do not have to be Porkette members.

5. No pastry shells such as pies and tarts will be accepted.

Categories

Breads, Cobblers, Cakes, Donut, Biscuits/Egg Rolls, Waffles/Hot Cakes, Candies, Cookies, Hors Dorves, Crepes.

Judging as follows:

Silver Coinage Rule – Judges will be all the women and men who are willing to drop a nickel, dime, quarter, half dollar or silver dollar into each sampled recipe's jug. The larger the amount the more enjoyed.

ENTRY FORM
The entry form must be postmarked before February 9, 1980

Name: _____

Address: _____

_____

State _____

Zip Code _____

How many items are you bringing?

Mail the recipe on a 5x7 card and include your name, age, and address on the opposite side.

Mail to: Beth Cooper
RD 1
Lenhartsville, PA 19534

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...UNNOTICED

Unnoticed because Patz Gutter Cleaners go to work day-in and day-out — as dependably durable and as economical in operation as any piece of major farm machinery today So being very undemanding of your valuable management time, Patz Gutter Cleaners really can go unnoticed In fact, most Patz Gutter Cleaners are only noticed by the work they've done as it accumulates in the manure holding area

Heavy one piece hook n eye design of the unique Patz chain means high flexibility easy link removal and durable operation that s further ensured by two rugged flite designs — both with single piece welded construction and special wear shoe

The heart of the Patz heavy duty reducer — the 4 tooth drive sprocket — measures only 5 in diameter Teeth contact links at their strongest point exerting less stress on the chain and motor

After leaving flite cleaner flite catcher guides flites smoothly on to the down side of the slide while the automatic chain tightener maintains proper chain tension for smooth running efficiency

Easily removed corner wheels eliminate concrete breakup Flanged edges guide the chain for smooth cornering without binding Concrete anchored return corners and rugged hold down shoe assure continued smooth gutter chain operation

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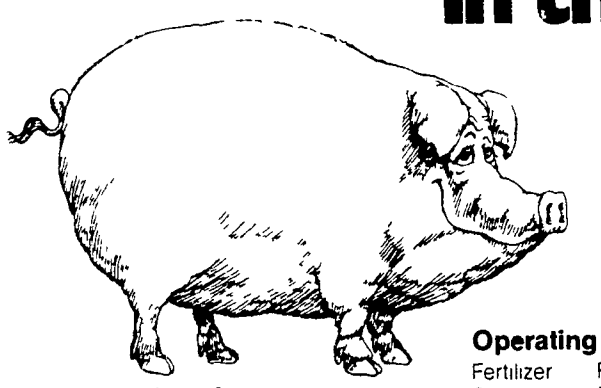
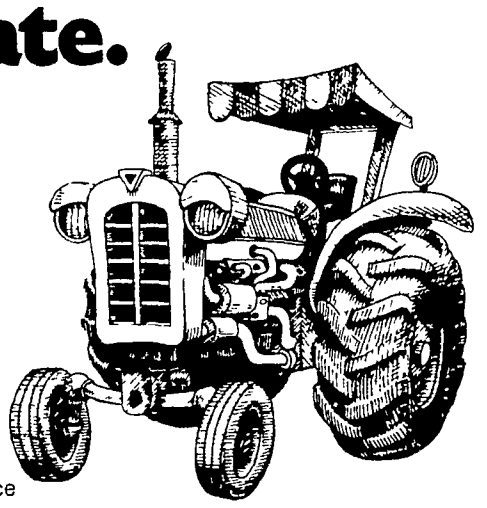
Commonwealth National lends more money to farmers than any other bank in the state.





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Pullets	Bulls	

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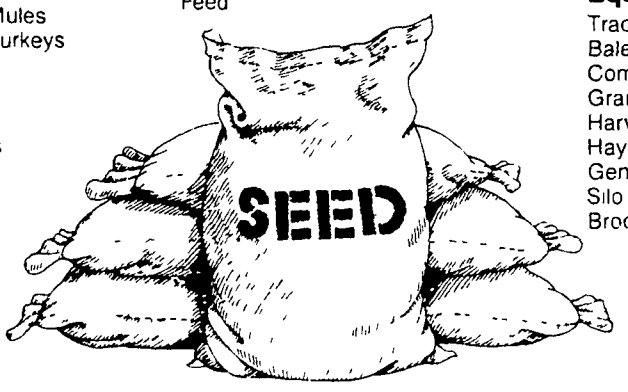
Brooders	



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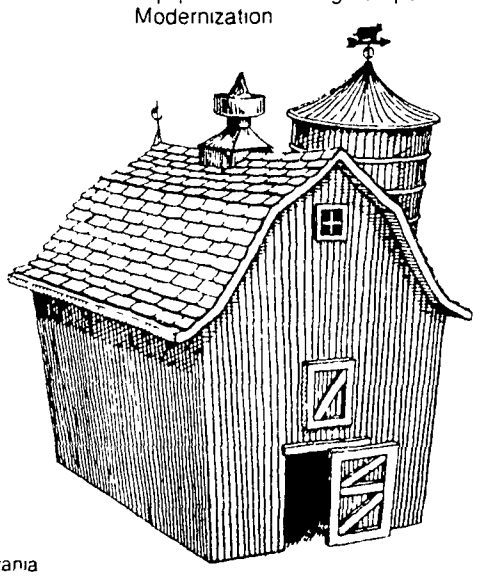

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Serving the Agricultural Community of South Central Pennsylvania

MUNCY-CHIEF HYBRIDS in 1980

We Will Greatly Expand Hybrid Seed Corn Testing and Corn Contest — We Offer

FREE SEED CORN — FREE SOIL TEST — FREE REPORTS

For Entering Muncy-Chief State and National Corn Contests

1 ACRE CORN CONTEST — 5 ACRE CORN CONTEST — 25 ACRE CORN CONTEST

PLEASE READ

Muncy-Chief Challenges You to do it Right

FREE SEED CORN 1 Bushel per Contest per farm operation — **IN 1980** — **FREE PENN STATE SOIL TEST**

Adult farmers enter the National 25 Acre and State 5 Acre corn contest with Muncy-Chief Hybrids Buy 1 bushes or more and get a bushel free, your selection or choice Enter early with local County Agent or other authority and notify Muncy-Chief

Youth, boys and girls, enter 1 acre contest and Muncy-Chief will give you a bushel Free Seed Corn You give your friends or brothers and sisters ⅓ bushel each and keep for your own contest ⅓ bushel for your acre

Pick a good piece of ground and have yield checks in the fall of 1980 by County Agent, FFA Teacher or other none interested person Receive trophies and awards Your only responsibility is to plant, take care of, harvest, and have yield checked and report yield to us You pay only a special price of $40 00 per bushel, about ⅔ value, if yield is not reported This applies to one , five and twenty-five acre contest

Write and send your order soon along with soil for Penn State Test We will send it to Pennsylvania State University and give you a report Consider you get all these when you do it right in 1980

EXPERIENCE EDUCATION PROFITABLE YIELDS

CONGRADULATIONS TO WINNERS OF 1979 CONTEST

WEST VIRGINIA 1 Acre Raylynn Carr
Muncy Chief SX777 218 7 Bushels per Acre

NEW YORK 1 Acre Donald Swan
Muncy Chief SX662 190 Bushels per Acre

NORTH CAROLINA 1 Acre Pam Reynolds
Muncy Chief SX776 190 Bushels per Acre

NEW YORK 1 Acre Eric Webster
Muncy Chief SX777 201 1 Bushels per Acre

NORTH CAROLINA 5 Acre Ervin Long
Muncy Chief SX777 182 3 Bushels per Acre

ILLINOIS 1 Acre Cathy Bork
Muncy Chief SX777 186 1 Bushels per Acre

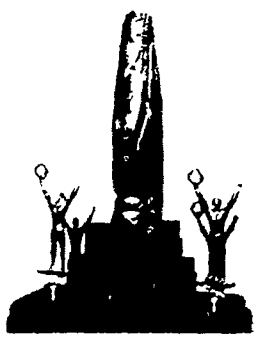
PENNSYLVANIA 1 Acre Linda Kramer
Muncy Chief SX662 235 9 Bushels per Acre

VIRGINIA 1 Acre Robbie France
Muncy Chief SX776 171 9 Bushels per Acre

PENNSYLVANIA 5 Acre - Tom Kramer
Muncy Chief SX552 208 6 Bushels per Acre

VISIT US AT **PENNSYLVANIA FARM SHOW HARRISBURG, PA. BOOTH 562-563 JAN. 6—11, 1980**

FIRST PLACE STATE TROPHY over **$1000.00** AWARDS EACH STATE



1980 AWARDS OFFERED

JOIN MUNCY-CHIEF CORN CONTESTS

1 Acre Contest for Youth (Boys or Girls) 18-21 Years or Under
Five Acre Contest For Any Farmer 18 Years or Over
National 25 Acre Contest For Any Farmer 18 Years or Over

Champion First in Nation	Trophy and $250 00
Champion First in State	Trophy and 100 00
Second in State	Trophy and 50 00
Third in State	Trophy and 25 00
Fourth in State	Trophy and 15 00
Fifth in State	Trophy and 15 00
Sixth in State	Trophy and 15 00

Scholarship Money for Youth 1 Acre Contest
Merchandise Certificate Value off Seed Orders 5 and 25 Acre Contest Send Application Blank, Letter or Post Card
½ Awards if less than 5 Entries in a State

MORE YIELD HIGHEST QUALITY

MUNCY-CHIEF 200 BUSHEL CORN STARS

DAVID M HEDRICK
PARSONS WV
242 BU
MUNCY CHIEF SX662
1 ACRE

MT CARROLL FFA
MT CARROL, ILL
229 2 BU
MUNCY CHIEF SX662
5 ACRE

HAROLD KRAMER
FENELTON PA
235 1 BU
MUNCY CHIEF SX552
5 ACRE

CHARLES KRAMER
FENELTON, PA
245 6 BU
MUNCY CHIEF SX777
1 ACRE

NEW FUELSAVER HYBRIDS FOR 1980

MUNCY-CHIEF SX776 SINGLE CROSS

AREAS 1-2 FOR GRAIN — AREAS 1-2-3 FOR SILO

MUNCY CHIEF SX776 is not quite as new as our other fuelsavers however the demand for SX776 is gratifying SX776 is just a little earlier than Muncy Chief SX777 In recent tests depending on the area, the moisture has been reasonably low making it a good storer If your requirements are long season try SX776 It is resistant to disease and insect damage Matures for silo in 95 to 100 days and for grain in 110 to 112 days

MUNCY-CHIEF SX660 SINGLE CROSS

AREAS 1-2-3 FOR GRAIN — AREAS 3-4 FOR SILO

MUNCY CHIEF SX660 is one of our new fuelsavers which means drier corn from the field SX 660 is a much easier husker in comparison to its counterpart SX662 Muncy Chief SX660 meets our high standards of disease and blight control This hybrid will produce a high quality yield for you Matures for grain in 105 to 110 days and 90 to 95 days for silo

MUNCY-CHIEF SX560 SINGLE CROSS

AREAS 1-2 FOR GRAIN — AREAS 3-4 FOR SILO

MUNCY CHIEF SX560 is a good mid season fuelsaver Planted early SX560 is capable of producing a high yield with low moisture at harvest time SX560 has the same good root system as our SX550 with disease and blight resistance When you re looking for good hybrid for either grain or silage let us suggest Muncy Chief SX560 Matures for grain in 100 to 105 days and for silo in 85 to 90 days

MUNCY-CHIEF SX460 SINGLE CROSS

AREAS 2-3-4 FOR GRAIN — AREAS 4-5 FOR SILO

MUNCY CHIEF SX460 is an early fuelsaver and replaces our SX442 If you need an early maturing corn for grain SX460 is the hybrid to plant Can also be used as a second crop after hay etc This hybrid will prove itself dependable and is also disease and blight resistant Matures in 95 to 100 days for grain and 80 days for silo

SEE OUR CATALOG and PRICE LIST FOR THESE and OTHER HYBRIDS ALSO SEED OATS, SOYBEANS, SORGHUMS, AND OTHER SEED GRAINS

MUNCY-CHIEF HYBRIDS PRICE LIST AND ORDER BLANK

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MUNCY-CHIEF SINGLE CROSS HYBRIDS

TREATED SEED — FULL 56 POUND BUSHEL

Quantity Wanted	Please mark or circle size	BU MF	BU MR	BU U or R	
	M C SX878	115 to 120 days	47 50	45 50	44 50	
	*M C SX776	110 to 115 days	49 50	47 50	46 50	
	M C SX777	110 to 115 days	47 50	45 50	44 50	
	M C SX662	105 to 110 days	47 50	45 50	44 50	
	*M C SX660	105 to 110 days	49 50	47 50	46 50	
	M C SX550	100 to 105 days	47 50	45 50	44 50	
	*M C SX560	100 to 105 days	49 50	47 50	46 50	
	M C SX552	100 to 105 days	47 50	45 50	44 50	
	*M C SX460	95 to 100 days	49 50	47 50	46 50	
	M C PA 3113	90 to 95 days	47 50	45 50	44 50	
	M C SX220	88 to 93 days	47 50	45 50	44 50	
	Cornell 410	90 to 95 days	47 50	45 50	44 50	
	Cornell 281	85 to 90 days	47 50	45 50	44 50	
	M C SX103	80 to 85 days	47 50	45 50	44 50	

*Muncy Chief Fuel Savers SX460 replaces SX442

MUNCY-CHIEF 3-WAY CROSS HYBRIDS

	M C 3X898	115 to 120 days	42 50	40 50	39 50	
	M C 3X808C	115 to 120 days	49 50	47 50	46 50	
	M C MDM803	115 to 120 days	49 50	47 50	46 50	
	M C 3X676	105 to 110 days	42 50	40 50	39 50	
	M C 3X553	100 to 105 days	42 50	40 50	39 50	
	Cornell 110	80 to 85 days	42 50	40 50	39 50	

MUNCY-CHIEF DOUBLE CROSS HYBRIDS

	M C H764	115 to 120 days	37 50	35 50	34 50	
	M C H656	105 to 110 days	37 50	35 50	34 50	
	M-C H401	90 to 95 days	37 50	35 50	34 50	
	M C H304	90 to 95 days	37 50	35 50	34 50	
	M C H208	85 to 90 days	37 50	35 50	34 50	
	M C H208E	80 to 85 days	37 50	35 50	34 50	
	M C H270	88 to 93 days	37 50	35 50	34 50	
	M C H207	85 to 90 days	37 50	35 50	34 50	
	M C M3R	90 to 95 days	35 50	33 50	32 50	
	Cert PA 2944	85 to 90 days	35 50	33 50	32 50	
	Cert PA 290	85 to 90 days	35 50	33 50	32 50	
	Cert Wis 335A	85 to 90 days	35 50	33 50	32 50	
	Cert Minn 806	80 to 85 days	35 50	33 50	32 50	
	M C Silo Chief	85 to 100 days for silo	35 50	33 50	32 50	
	M C Lucky 7		50 00			

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MUNCY-CHIEF HYBRIDS
MUNCY, PA 17756
PHONE (717) 546-5981

Qty	Varieties Wanted	Grade Size	Price	Amount
	FREE CORN			

SOIL TEST WILL BE SENT ABOUT DATE _____

Total Acres Farmed ___ Acres To Corn ___

___ Amount Enclosed Send Invoice

PLEASE ENTER ME

___ NATIONAL 25 ACRE CORN CONTEST ___ INTERESTED IN DEALERSHIP
___ STATE 5 ACRE CORN CONTEST ___ FREE CATALOG
___ MUNCY CHIEF 1 ACRE CONTEST ___ AWARD BOOKLET

Name ___ Date ___
Address ___
Location & Rte No ___ Zip ___
Date Wanted ___ Phone No ___
Dealer s Name ___ State ___
Address ___ Zip ___

NEW YORK TESTS — CANESTO, NY.

Muncy Chief 3X553	36 20%	22 000	191 5
Muncy Chief H270	27 58%	24 000	169 1
Muncy Chief H401	28 37%	25 000	160 0
Muncy Chief H304	23 61%	25,600	146 5
Muncy Chief 281	26 51%	23,250	130 2
Muncy Chief SX220	23 33%	22,330	121 8

PENNSYLVANIA TESTS
MONTGOMERY, PA. BRICK CHURCH

Muncy Chief SX776	27 54%	20 700	160 0
Muncy Chief SX878	30 40%	18 750	156 2
Muncy Chief SX777	28 20%	19 500	149 1
Muncy Chief SX660	21 08%	19 250	148 2
Muncy Chief SX560	21 88%	19 750	138 7
Muncy Chief SX662	23 53%	18 750	138 2

MT. CARROL, IL. FFA TEST PLOT

Muncy Chief SX662	25 7%	28,775	229 9
PAG 397	24 4%	26 500	213 4
Pioneer 3780	24 1%	29 500	204 2
Blackhawk 2460	24 1%	28,500	203 7
Pioneer 3720	24 7%	29,333	199 0

Muncy-Chief Hybrids

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On being a farm wife - And other hazards

Joyce Bupp

One can't help but wonder if the left hand doesn't know what the right hand is about.

That nagging doubt has grown since the arrival of a form letter here recently, bearing the impressive signature of the United States Secretary of Agriculture, Bob Bergland.

Its message is direct

Six years ago, the nation's farmers responded to the government's call for "full production" by plowing up and planting every corner of marginal soil that vaguely promised to bring forth a crop of grain for the world's increased appetite for American's bushels of gold. Now, USDA is worried because some nine million acres of not-the-best farmland literally promise to be gone with the wind - and the rain - and the runoff. An estimated sixty million tons of topsoil are already just a memory.

So the letter culminates with one single directive slogan: PLANT THE BEST AND SAVE THE REST.

Tell me then, why, oh why, do our other federal bureaucracies continue ramrodding policies that snatch and hamstring rights from farmers already doing a super job husbanding the best soils in the nation.

The newest disgusting example is a proposal by the Department of the Interior to relocate a Cumberland County section of the famed Appalachian Trail. Using a portion of a 90 million dollar budget to relocate portions of the wilderness hiking route, officials would like to move 12 miles of the trail from its present position near highways and urban sprawl to less developed areas Sounds great.

Except for one little problem: the proposed permanent detour would require the feds taking ownership of a ribbon of land smack across numerous private farmland properties in some of the state's richest limestone corn and hay ground.

An alternate suggestion to relocate the Trail through government owned state park land has apparently already gotten the thumbs down vote.

And lest we forget, the Environmental Protection Agency is still coveting a section of York County land for a sewage effluent spray system, threatening the livelihood of a dairying family that's been on the same farm for over a century.

Enough. Whoa.

Agreed — it's high time for careful plowing to preserve the best farmland for our future generations. Perhaps the deepest furrows should be dug through the bureaucratic muckland of Washington, D.C.

PLANT THE BEST AND SAVE THE REST.

But for what?

Agribusiness program available at Williamsport

WILLIAMSPORT — The Williamsport Area Community College offers a program in agribusiness beginning this month.

The course is designed to prepare men and women for mid-management positions in an agricultural business or to work in production agriculture as farm owners or supervisors.

Students may enroll in the following courses beginning January 14.

AGB 123
Field and Forage Crop Production

A study of the basic principles related to the culture and production of grain crops and forage. 3 credits.

AGB 124
Agricultural Financing

The principles of financing applied to agribusiness. A look at the many sources of credit-private and governmental. Obtaining credit and its use. 3 credits.

AGB 125
Dairy Production

The feeding, management, breeding, milking, disease control, and housing of dairy cattle. 3 credits.

MGT 111
Business Mathematics

Fundamentals of mathematics as applied to business. 3 credits.

MGT 230
Business Communications

Application of communications skills: listening, reading, writing, and speaking accurately, briefly, and clearly. 3 credits.

PED
Physical Education

Instruction and participation in a variety of activities. 1 credit.

This would be the first semester of a two-year program working toward an associate degree in Agribusiness. The types of jobs available to students who earn a degree in Agribusiness are: Farm operator or manager; farm supply and garden center; feed. seed, and fertilizer sales; farm credit, financing, and insurance.

Interested persons should contact: Admissions Office, The Williamsport Area Community College, 1005 West Third Street, Williamsport, PA 17701.

Schriefer earns college scholarship

CLEMENTON, N.J. — A Camden County 4-H'er was selected as this year's agriculture scholarship winner.

Gene Schriefer Jr., 18, of Atco, is the recipient of a $200 college scholarship. The award is sponsored by the Philadelphia Society for Promoting Agriculture.

The scholarship is awarded alternately each year between members of 4-H clubs and Future Farmers of America. The individual selected must show academic excellence, community involvement and plan to follow a career in the area of agriculture.

A freshman at Purdue University, Gene is majoring in agriculture education and animal science. He is a graduate of Moorestown Friends High School, where he was active in track, soccer and play productions.

Gene is a nine year 4-H member of the Long-A-Coming 4-H Horse club. As a 4-H'er, he participated in the county horse judging team, horse bowl, and trailride teams representing Camden County in statewide events. He has also participated in the New Jersey 4-H State Horse Show for the past two years.

Speed of Birds

Experts estimate that vultures can fly at speeds of more than 100 miles per hour, wild goose and the swallow — in their migrations — make 90 miles an hour and the common crow cruises at 25 miles per hour

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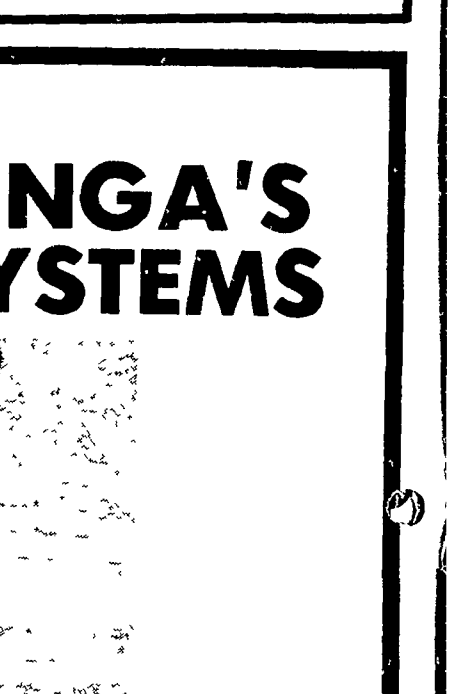

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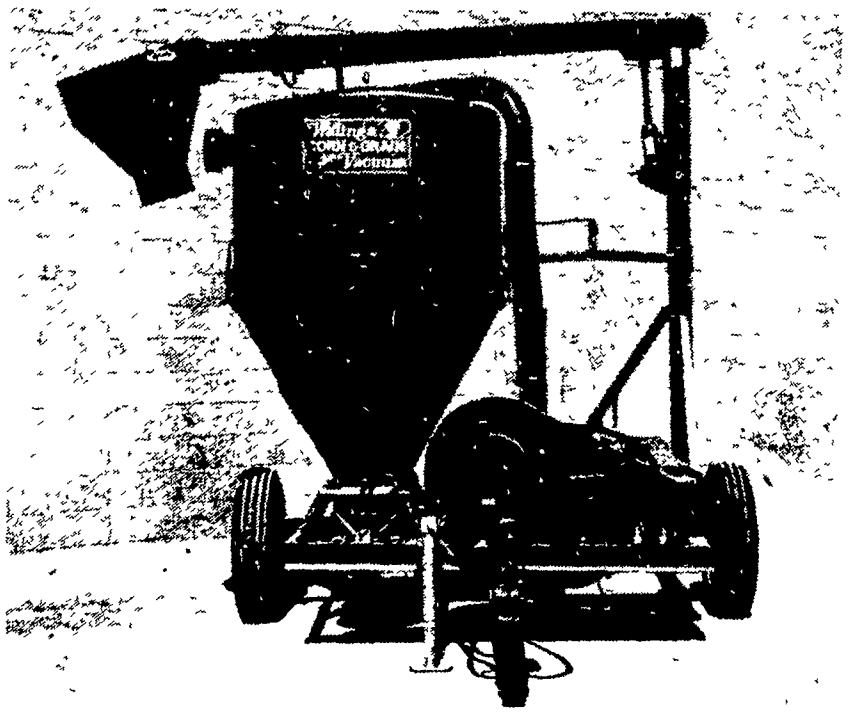

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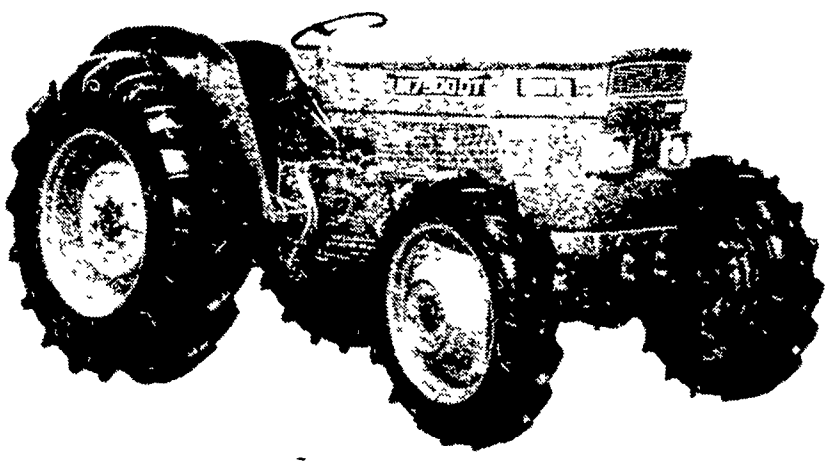

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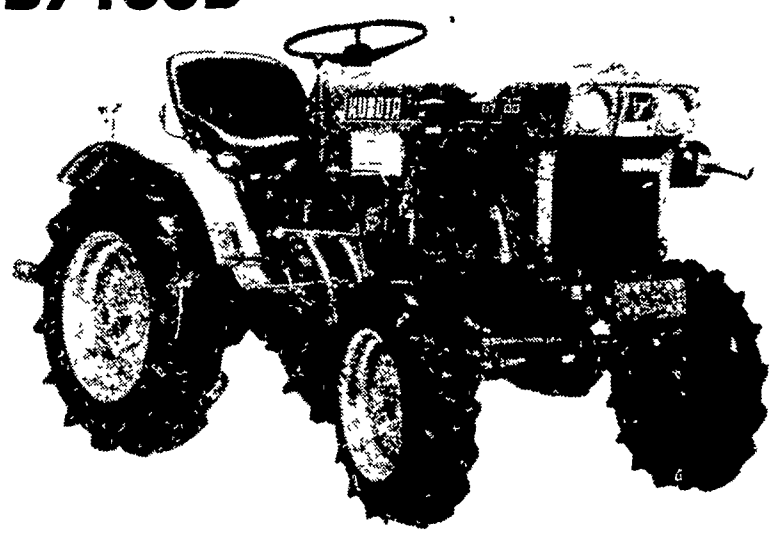
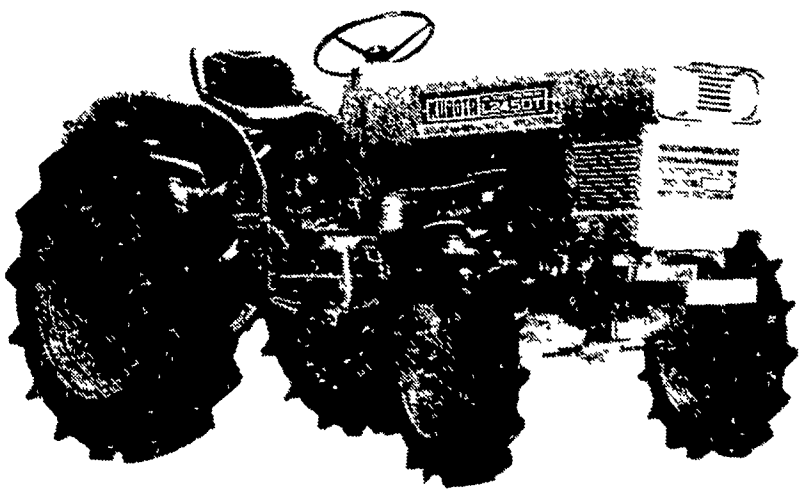
71 PTO H.P.
SEE AT OUR OUTSIDE DISPLAY

B7100D



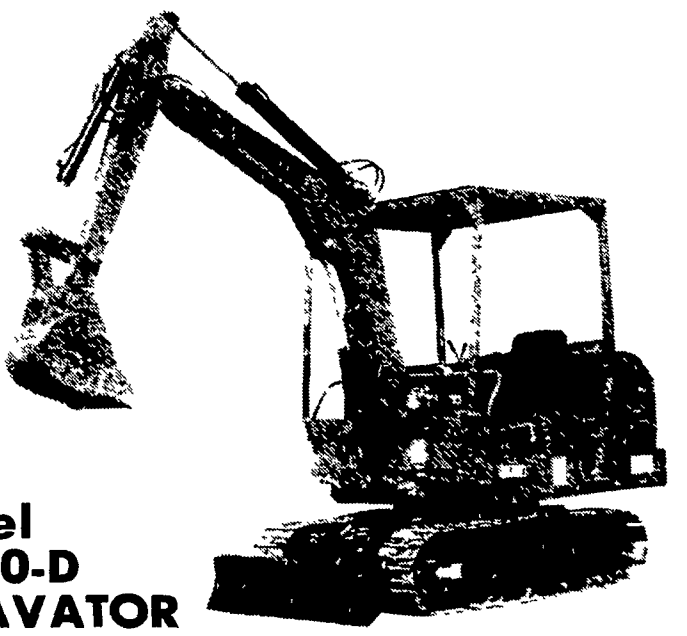
MODEL B7100D (Four-wheel drive)
16 Eng. H.P.
SEE AT BOOTH NO. 507-508

L245DT



MODEL L245DT (Four-wheel drive)
25 Eng. H.P.
SEE AT BOOTH NO. 507-508

Model KH-10-D EXCAVATOR



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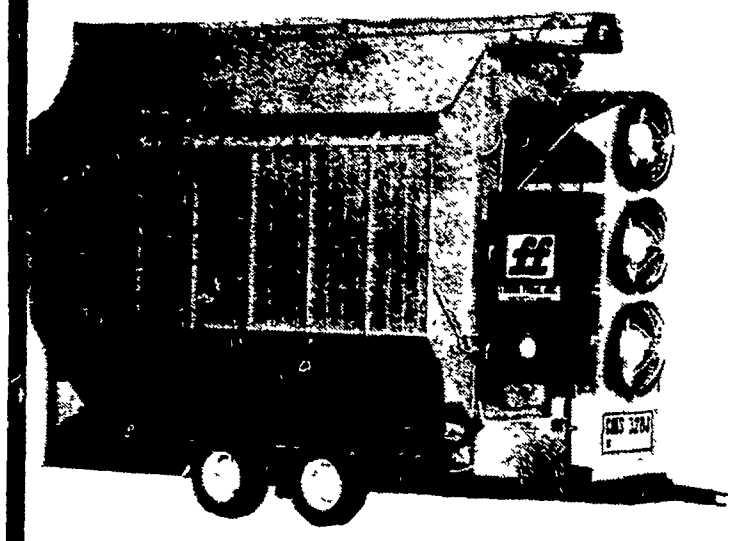

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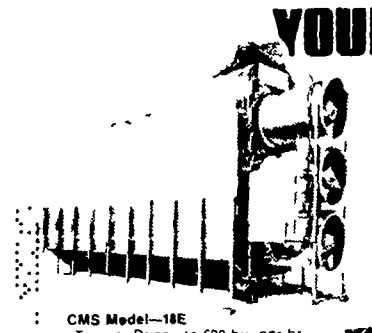
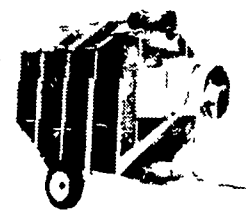


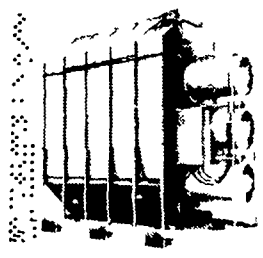
CMS Model—18E
Temper Dries to 600 bu per hr

AB Model—12B
Temper Dries
to 310 bu per hr

CMS Model—14E
Temper Dries to 480 bu per hr



AB Model—8B
Temper Dries to 210 bu per hr



CMS Model—10E
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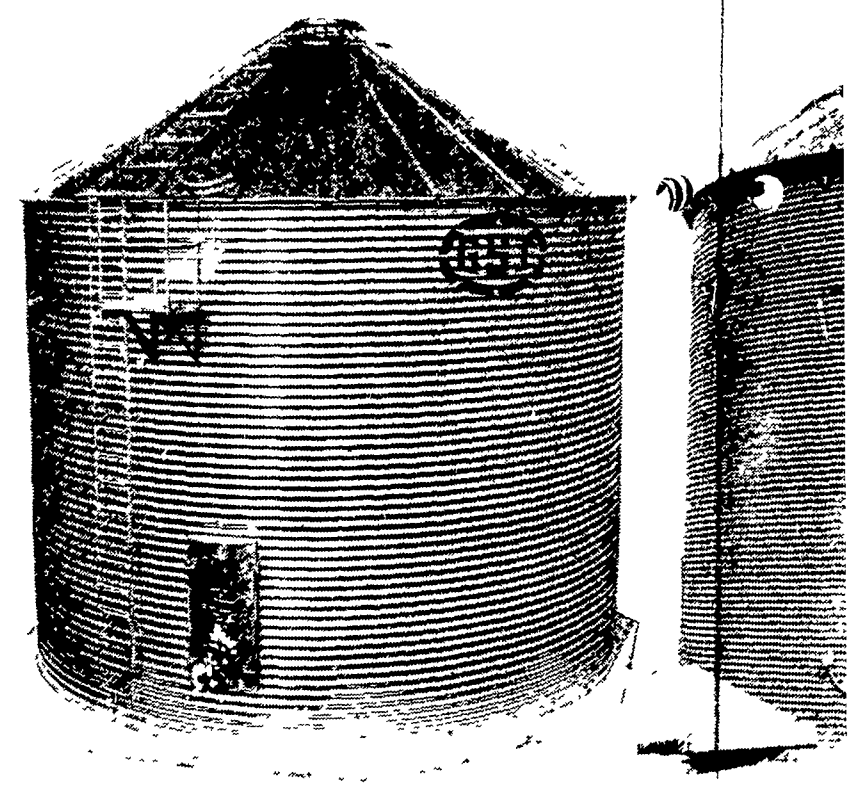
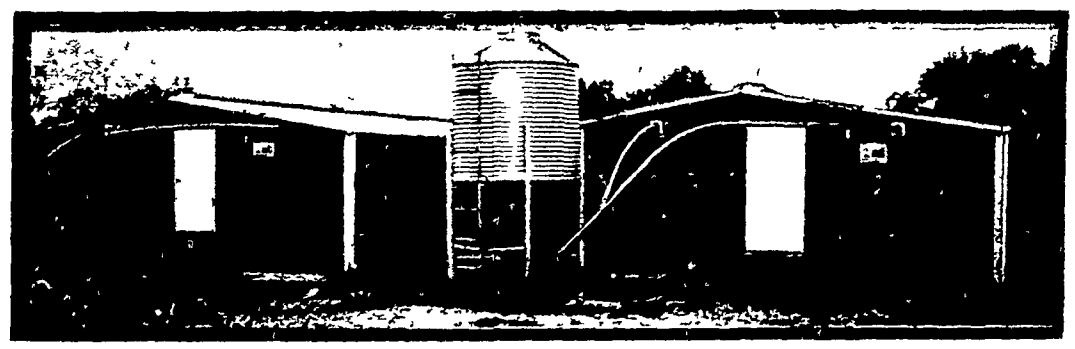


THE COMPLETE SYSTEM BUILDING



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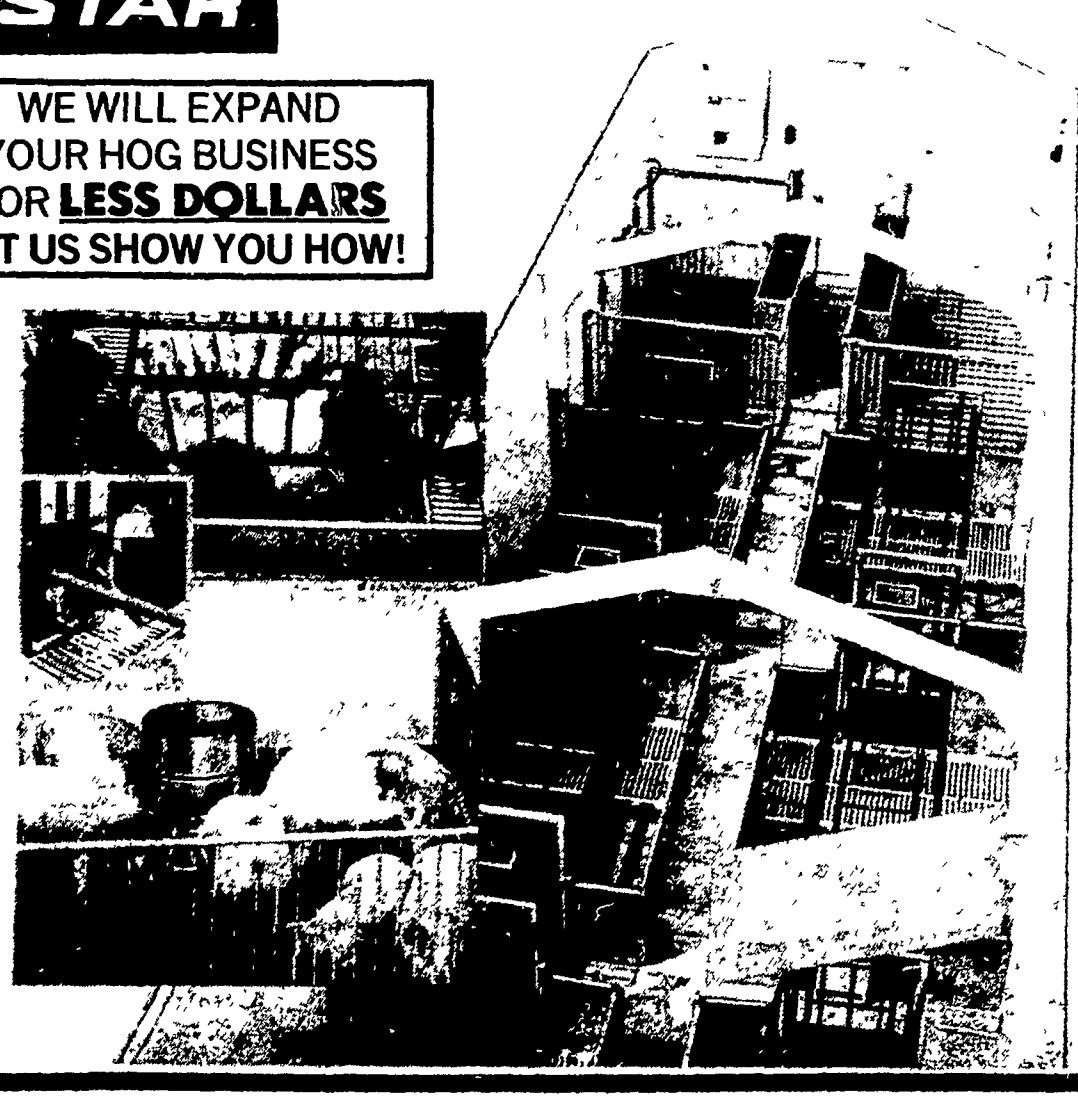
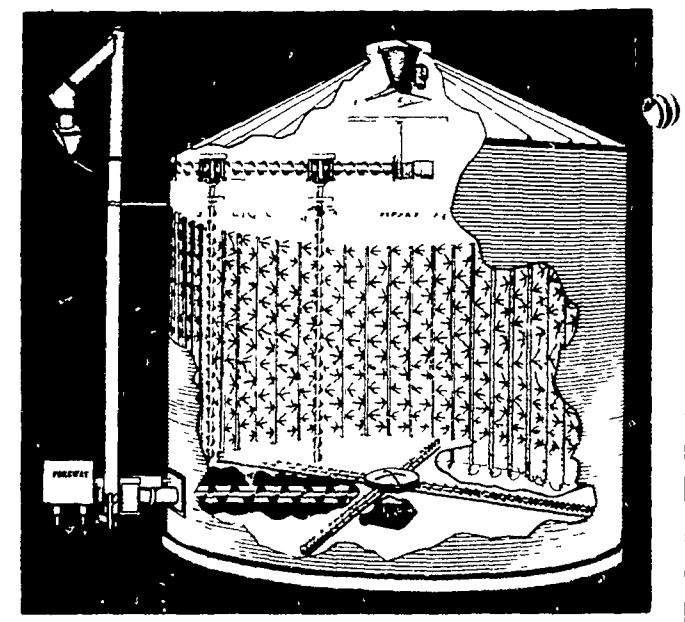
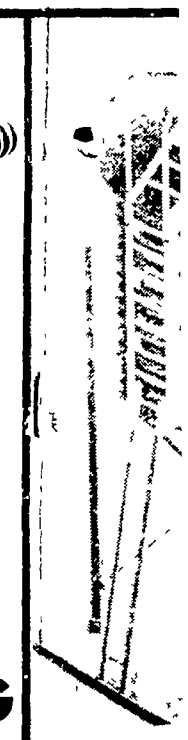




SUKUP IN-BIN DRYING



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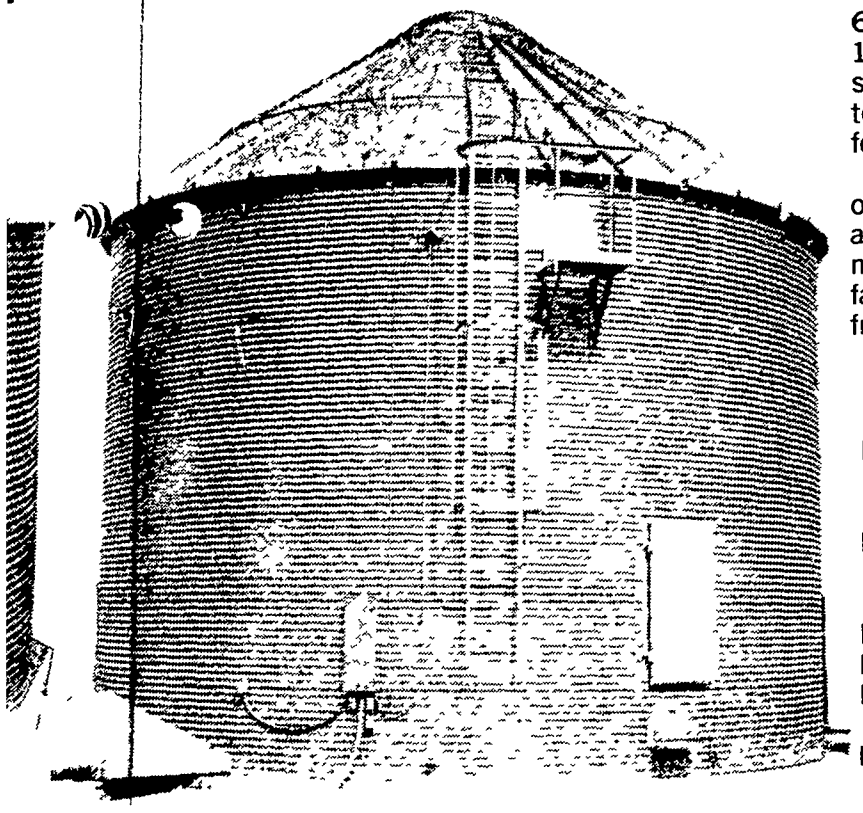

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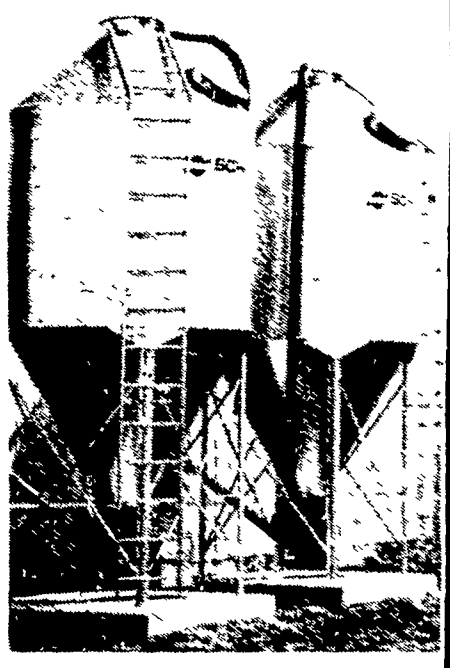

K:

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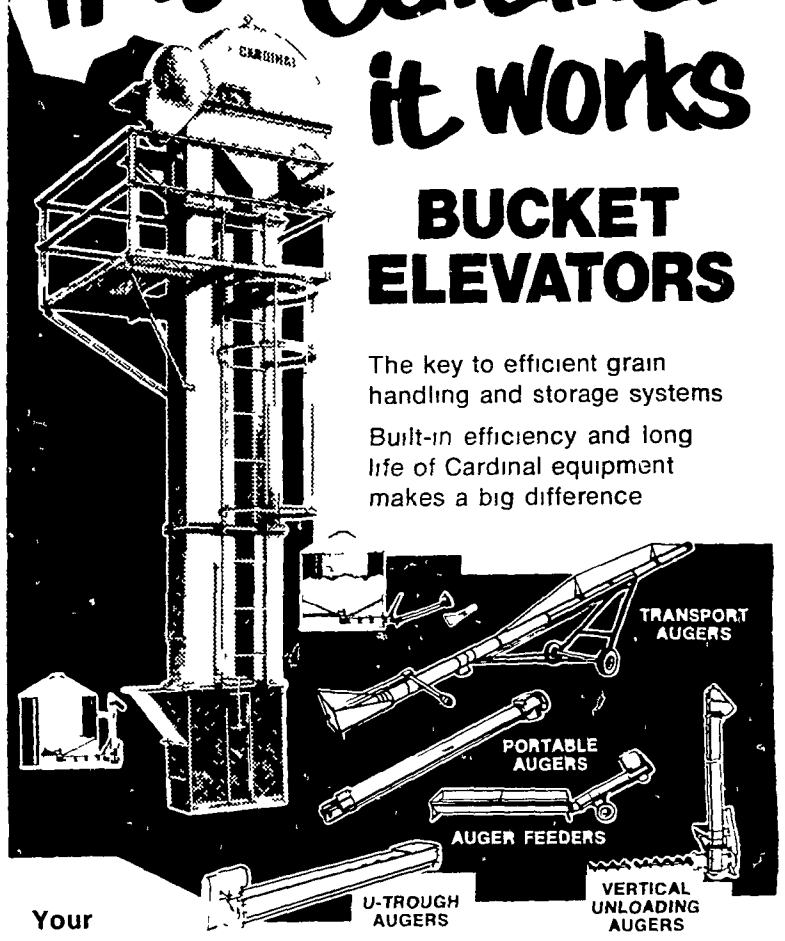

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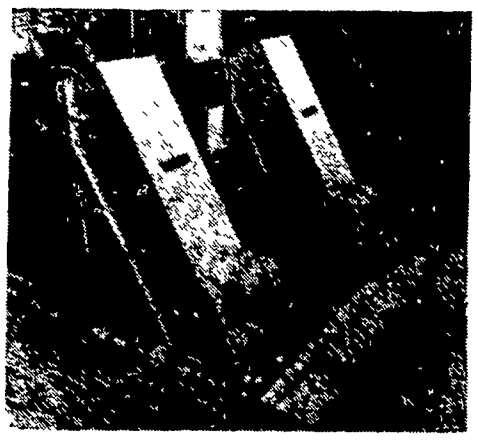

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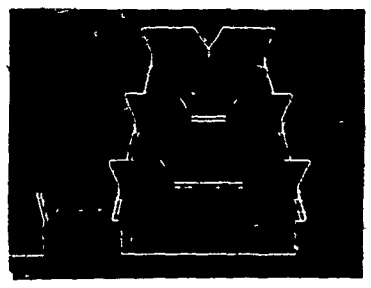

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  on front for middle and top tier.
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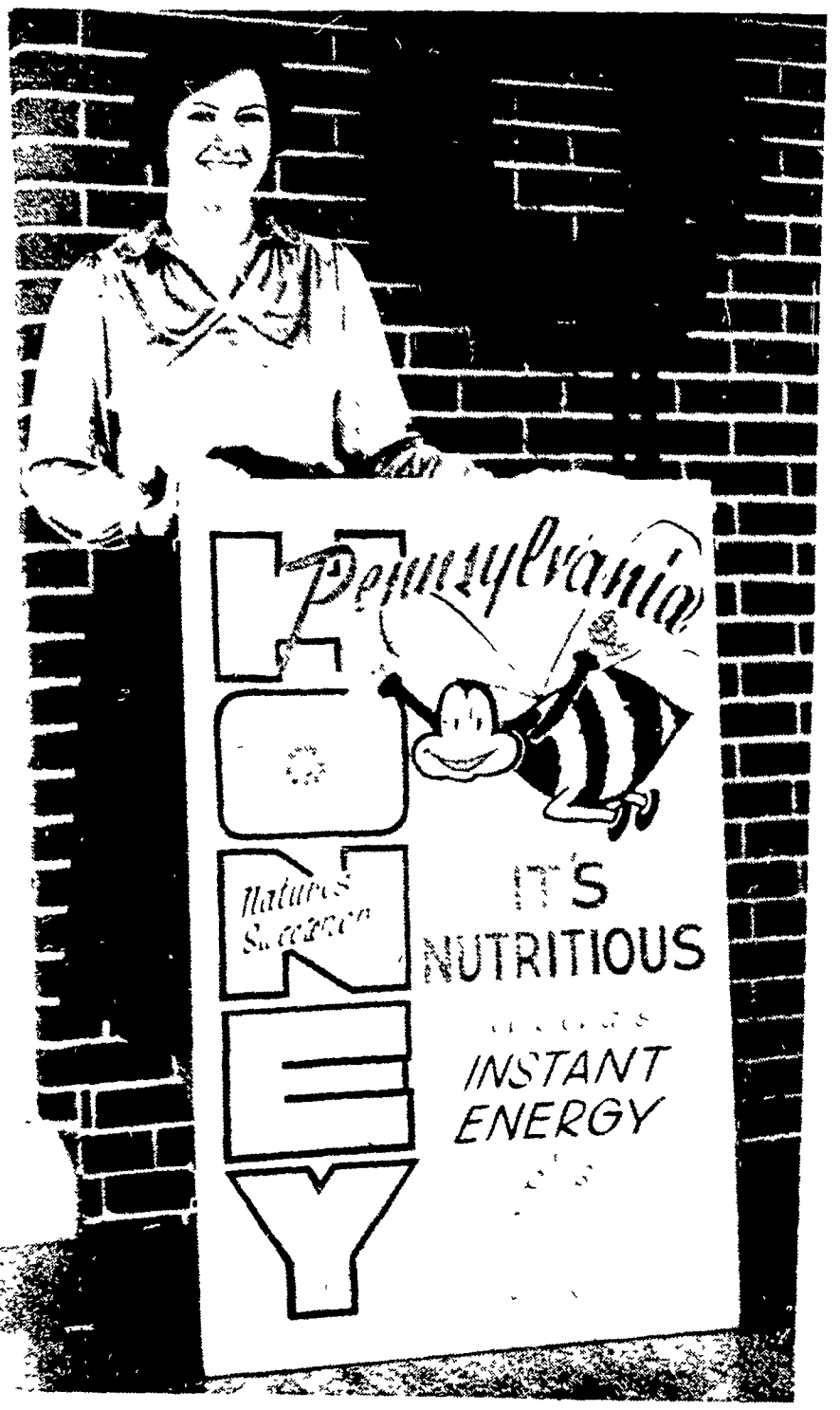
Pennsylvania Honey Queen

Barbara Graybill - a bee-sy honey promoter



Barbara likes to use this sign created for her use by the Pennsylvania Department of Agriculture.

BY SALLY BAIR
Staff Writer

Barbara Ann Graybill is very close to the end of her reign as the Pennsylvania Honey Queen, but she thinks the highlight of the year may be yet to come. Tomorrow she will meet Governor Thornburgh and give him a sample of honey when she participates in the Governor's Preview of the Pennsylvania State Farm Show. She says, "It sounds really exciting and like a lot of fun. It will be the biggest highlight of my reign."

Secretary of Agriculture Penrose Hallowell hill be among the officials there, but she's already met him three times in the line of official duty.

Although tomorrow is the big day for Barbara personally, she will be busy throughout Farm Show week promoting honey. "I will spend a lot of time at the beekeepers booth selling honey, honey products and honey ice cream, and I will have recipe folders to pass out." She said she also hopes to spend some time visiting the county and individual beekeepers' displays at the show.

Twenty-one-year-old Barbara, who lives at 432 West Orange Street in Lititz, has traveled throughout the state for a year doing promotional work for the Pennsylvania Beekeepers Association. "We're trying to promote honey more," she explains

The daughter of Mr and Mrs C. Edward Graybill, Barbara explains that having a honey queen is beneficial to the industry because it offers a good opportunity to educate the public. She states, "It really amazes me at first that so many people are now aware of why the honeybee is so beneficial to us. They don't know there are different kinds of honey either."

Barbara is in a good position to set them straight. Her father has had honeybees for about 15 years as a hobby, and after becoming Honey queen, Barbara took a short course at Delaware Valley College to learn more about the product she would promote.

She says, "I educate people and teach them that the honeybee is not an aggressive bee. It is very important for pollination. In this part of the country, the honeybee does the major pollination of fruit trees, vegetables and flowers. If these are not properly pollinated, the fruit won't be perfect. Doing the job of pollination is really a very most important thing a honeybee does."

Honey and beeswax are nice by-products that the bee gives us, she adds, and she carries samples of beeswax products and different kinds

(Turn to Page C24)

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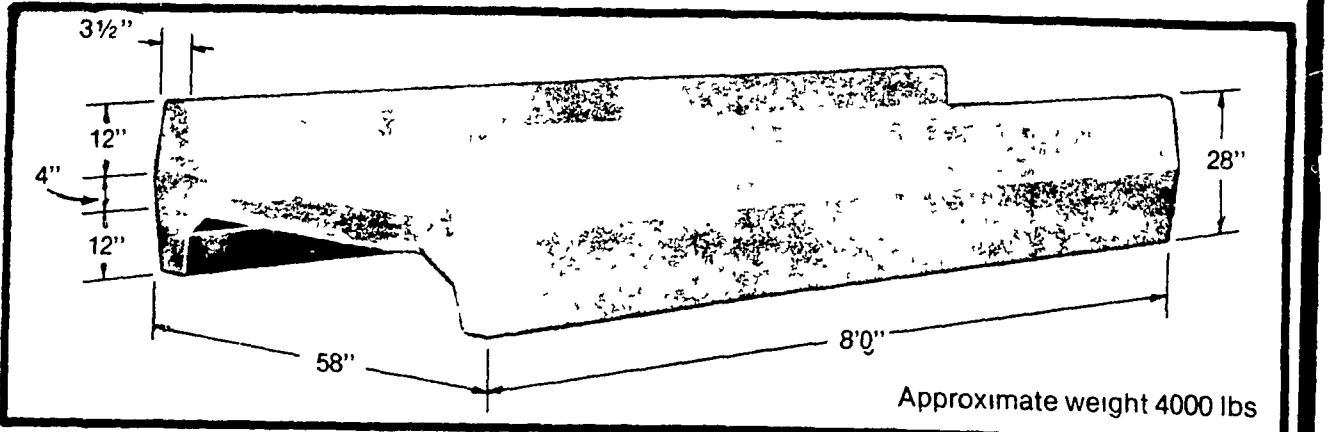

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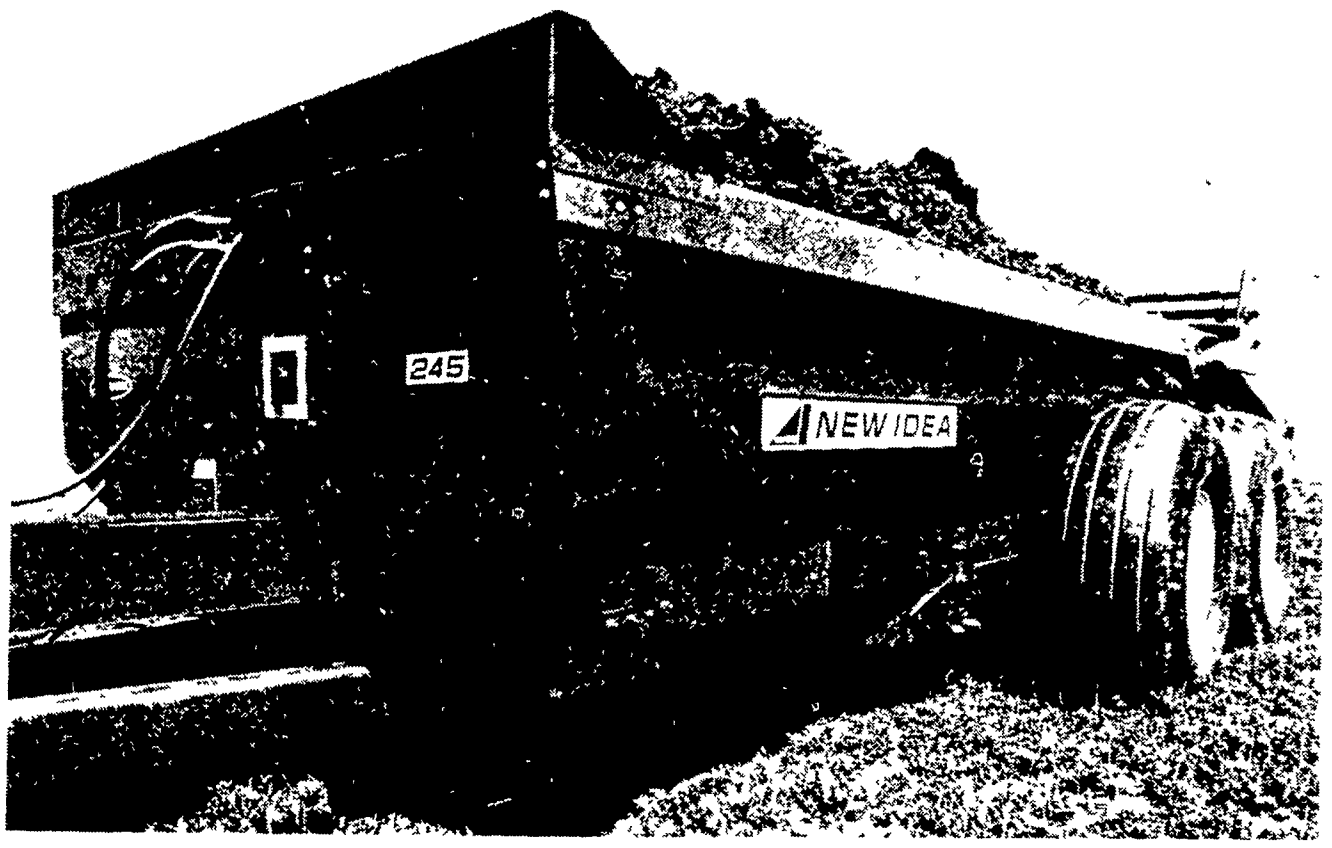

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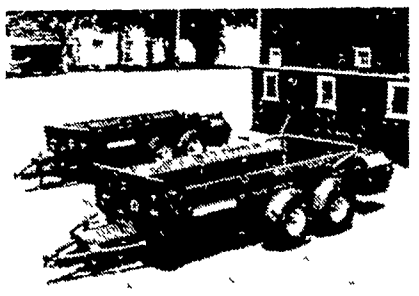

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Honey bee

(Continued from Page C22)

of honey with her when she makes presentations.

She prefers using several kinds of honey as samples, saying that many people don't know about the variety of honey available. What makes buckwheat honey different from clover honey? Barbara explains that much of the honey in this area, including that of her father, is wildflower, since this is the primary source of nectar for the bees in the hives. Buckwheat honey, predominant in the south, is darker, with a fuller flavor but not quite as sweet. Clover honey, another local honey, is lighter and sweeter. Honeybees fly in a radius of two to three miles collecting nectar.

Honey offers many benefits, according to Barbara. "It gives you quick energy. Its sugars are simple sugars and don't have to be broken down. It is easily absorbed by the bloodstream."

As might be expected, the Honey Queen loves honey "We always have honey on the table, but I eat most of it." She explained that her parents and brother like it mostly in baked goods, which she is happy to supply.

Baking with honey will keep the product fresher and moister, according to Barbara. She said honey can be substituted in existing recipes for sugar. The usual standard is to use one cup of honey for one cup of sugar, but she cautions that honey "is a little sweeter" than sugar, so sometimes the amount can be decreased. The liquid in the recipe must be decreased by one quarter cup, she advises, since honey has a lot of moisture. "Honey will burn quicker than sugar, so reduce the oven temperature by 25 degrees," she said.

She adds, "Honey is easy to store. You can keep it at room temperature and it won't spoil because bacteria can't grow in honey." The only thing which can happen is to have it ferment, a rare occurrence, which gives you honey wine. Honey will also crystallize, but it can be heated at a low temperature and it will return to its liquid state.

Barbara has entered local and state honey-baking contests for several years, and we've included two of her recipes at the end of this article.

Barbara has firsthand experience with bees, saying, "When my father got his hives, the rest of us kind of got interested. I can use the veil and gloves. It's a lot of fun. I'm not really afraid of them because a honey bee is not likely to sting unless it feels threatened. If you work around them, you can tell

(Turn to Page C25)

Making beeswax candles is an interesting sideline for the Honey Queen. Many friends received these as gifts during the Christmas season this year.

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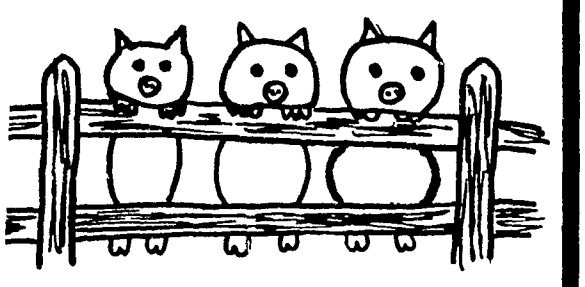

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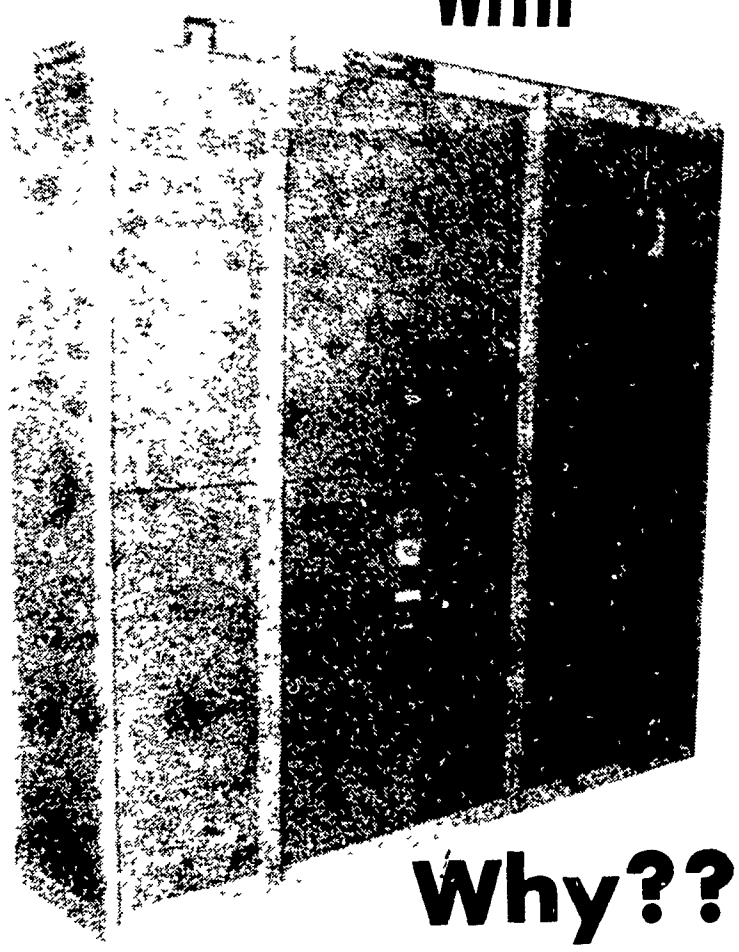

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Honey Bee

(Continued from Page C24)

when they're getting angry."

The bees are not inside their hives, Barbara notes, and the hives will be opened in the spring. "If the flowers aren't going to open for a while, we feed them sugar syrup if they don't have enough honey left so they won't starve. In June we take off honey once a week to make enough room for them to store more or they will swarm. In mid-September we take off what they don't need for the winter."

She explained that in her talks to service clubs, she introduces her audience to the bee and talks about beeswax and its use in candles, cosmetics and furniture polish. "I also talk about pollination, but I spend most of the time talking about honey."

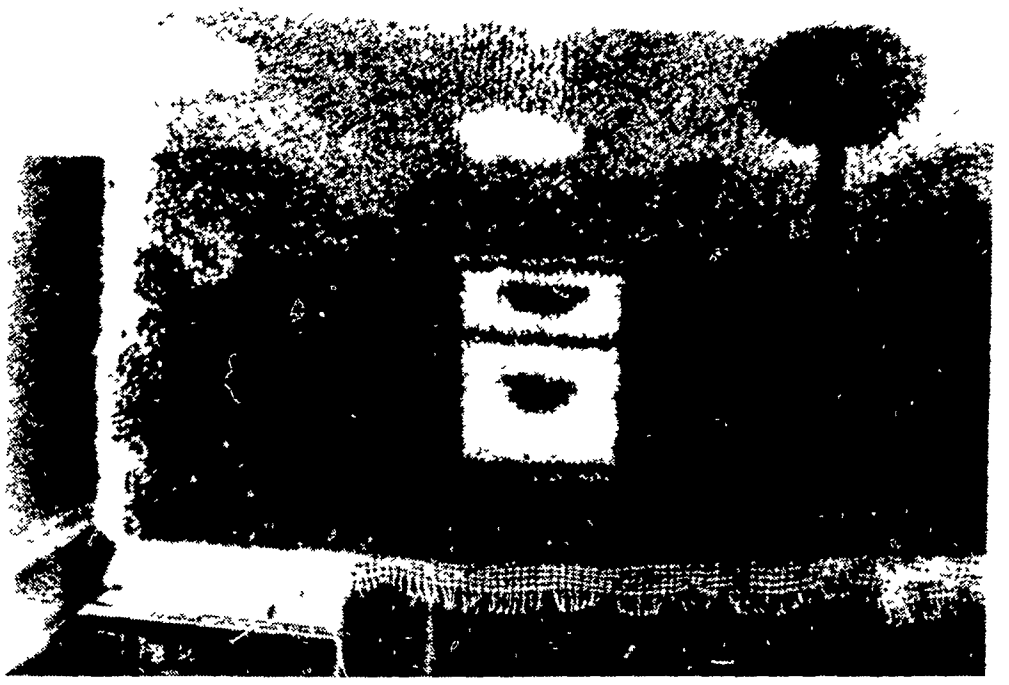
While a colony (hive) of bees will normally produce about one hundred pounds of honey, the very wet spring inhibitied production this year and her father took off about 70 pounds per hive.

A 1976 graduate of Warwick High School, Barbara is currently working for Manheim Manufacturing and Belting as a computer systems operator. She has already taken two courses in learning to operate a computer, and will go to school to learn more. She has nothing but praise for her employers, saying, "They have been a big help to me. I couldn't have done it without their cooperation."

Working with Betty Rody at the Pennsylvania Department of Agriculture, Barbara has participated in fairs, mall promotions, Ag Progress Days and many other events. She lists senior citizens' groups and school classes among those she has talked with, and she has been on television.

On January 21, Barbara will be flying to Dearborn, Michigan, to compete with about 12 girls for the American Honey Queen title. She will spend a whole week

(Turn to Page C26)



A latchhook picture of honeybees and a hive will be part of Barbara's display when she greets Governor Thornburgh at the Farm Show tomorrow.

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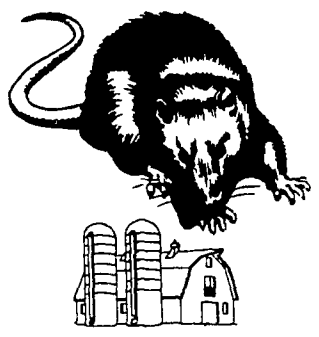

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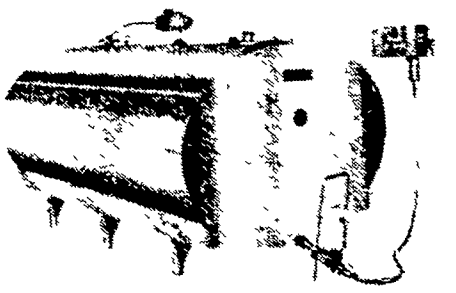

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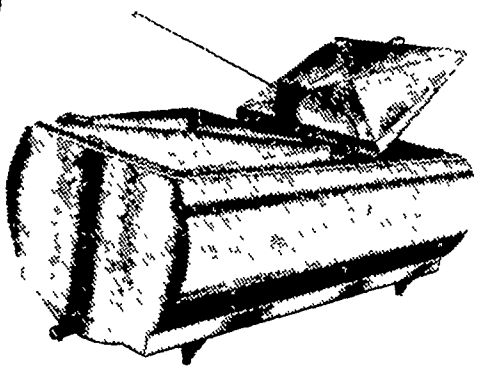

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Wheat users to vote on checkoff

NEW YORK, N.Y. — Manufacturers of wheat based foods will vote March 17-28 on whether they want a nationally coordinated wheat research and nutrition education program.

Assistant Secretary of Agriculture P.R. Smith, in announcing the referendum, said participants may register to vote between Jan. 7 and Feb. 1. He said the proposed program will be established only if the vote is favorable.

Smith said the U.S. Department of Agriculture's Agricultural Marketing Service will conduct the registration and referendum by mail and will monitor the program.

If the vote is favorable, a 20-member Wheat Industry Council composed equally of wheat producers, processors, and product manufacturers and consumers would develop and administer the program. Financing would come from assessments on processed wheat purchased by certain manufacturers of products such as bread, cake, cookies, cereal, or pasta.

During the first two years, Smith said, assessments would be up to one cent per hundredweight of processed wheat purchased. After that, the Council could recommend that assessments be increased up to a maximum of five cents per hundredweight.

Those who do not wish to support the program could get refunds.

Referendum rules stipulate that a corporation, regardless of the number of subsidiaries it has, will have one vote. At least half of the registered and product manufacturers must vote in order for the referendum to be valid.

The program will be approved if it is favored by at least two-thirds of those voting or by a majority which represents at least two-thirds of those voting or by a majority which represents at least two-thirds of the volume of processed wheat used by all voters in assessable end products.

Firms are eligible to register and vote if; in 1978, they used at least 2000 hundredweight of processed wheat in the production and wholesaling of assessable end products.

Registration packets will be sent to end product manufacturers known to the department. A list of eligible voters will be published in the Federal Register, and ballots will be mailed to them.

Manufacturers who wish to register but have not received the information by Jan. 10 should contact David Spalding or Lowry Mann, Agricultural Marketing Service, U.S. Department of Agriculture, Room 2610-S, Washington, D.C. 20250. Phone: (202) 447-2068.

The final order and referendum rules were published in the Federal Register Dec. 14.

Soybean growers ask Brazilian investigation

ST. LOUIS, Mo. — The American Soybean Association (ASA) has urged the Special Representative for Trade Negotiations to investigate recent Brazilian actions on soybeans.

"In an effort to combat a 75 percent annual inflation and other economic problems, Brazil has implemented a 30 percent currency devaluation as well as export taxes on soybeans, soybean meal and soy oil," ASA President Allan Aves said in a letter to trade ambassador Reubin Askew.

"The net effect of these actions represents a subsidy to the soybean processor in Brazil as well as a subsidy to the exports of Brazilian soybean meal and soy oil. These actions appear contrary to our understanding of Brazil's concessions during the Tokyo Round of the Multilateral Trade Negotiations."

Aves said an ASA analysis of the new Brazilian export tax shows a soybean products tax discount at $30.30 per tonne.

Honey Bee

(Continued from Page C25)

participating in the annual meeting of the American Beekeeping Federation.

While her reign has been beneficial to beekeepers, she says it has been of great personal value to her: "I got a chance to meet a lot of people from all over the state, and I really enjoy meeting people. It has been a good experience. I have learned that people in different parts of the state are different. It has been good to be able to talk with people and learn how they live."

She has also learned a lot about honey. "I know some things before, but I knew I couldn't explain it to people. The short course helped me a lot. It has also been helpful to compare ideas with other beekeepers. They always have good hints."

Barbara has little free time just now, but she enjoys sewing, doing needle work and playing tennis and camping. She is the pianist for the Lititz Lions Club and is a member of St. Paul's Lutheran Church in Lititz.

As she goes to the national contest, she takes with her a wealth of education and experience in representing the beekeepers of the keystone state. In her future, she is sure to continue to be a promoter of honey, a product she enjoys and feels is beneficial to all.

HONEY WHOLE WHEAT BREAD

1 package dry yeast
¼ cup warm water (110°)
¾ cup milk
1½ teaspoons sale
3 tablespoons honey
1 tablespoon margarine
2 cups whole wheat flour
1½ cups all purpose flour

Heat milk to scalding. Remove from heat. Stir in margarine, salt, and honey. Cool to luke-warm. Dissolve yeast in warm water. Let stand a few minutes. Add a little flour to yeast and mix. Add milk mixture and gradually add 1 cup whole wheat flour. Mix well for about 2 minutes. Gradually add 1¼ cups flour and mix well for 3 minutes. Lower the speed of mixer and add the rest of whole wheat flour. Knead by hand for about 6-8 minutes. Place in greased bowl. Cover and let rise. Push down and let rise again. Place in bread pan and let rise. Bake at 375° for 50 minutes.

HONEY BAKED BEANS

2 1-lb. cans baked beans
½ cup catsup
¼ cup honey
2 tablespoons prepared mustard
1 small onion, diced

Combine ingredients and bake uncovered for 45 minutes.

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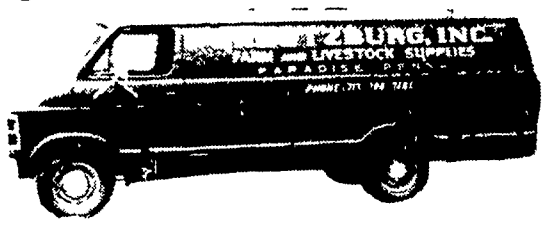

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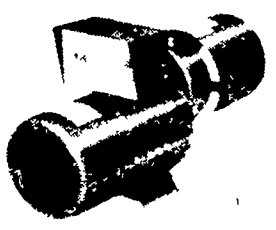

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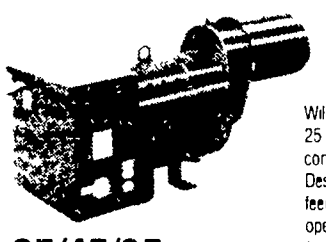

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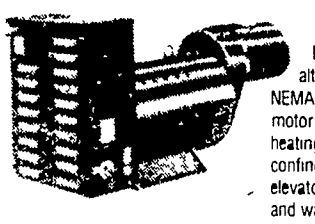

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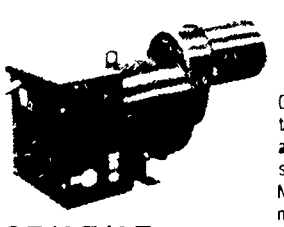

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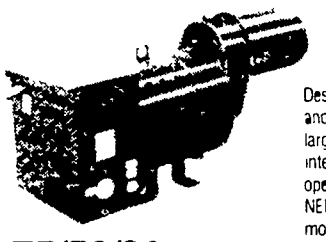

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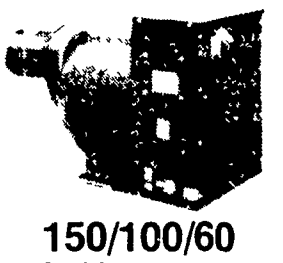
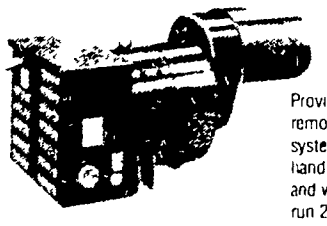
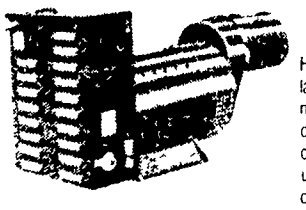


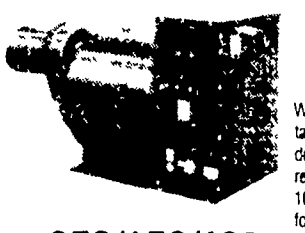
150/100/60
60,000 watts
Will start and run 60 hp NEMA Code G combination motor load For farms with large automated operations grain dryers elevators Six voltages available from same unit in single and three phase Ratings (watts) Surge 150 000 Intermittent 100 000 Continuous 60 000



50/30/20
20,000 watts
Provides power for farm or remote location electrical systems Receptacles for hand tools small motors and welder Will start and run 20 hp NEMA Code G combination motor load Ratings (watts) Surge 50 000 Intermittent 30 000 Continous 20 000



100/80/40
40,000 watts
Heavy duty alternator for large electrical power needs A popular choice for dairies stock feeders and other larger electrical users Will start and operate 40 hp NEMA Code G combination motor load Ratings (watts) Surge 100 000 Intermittent 80 000 Continuous 40 000



250/150/100
100,000 watts
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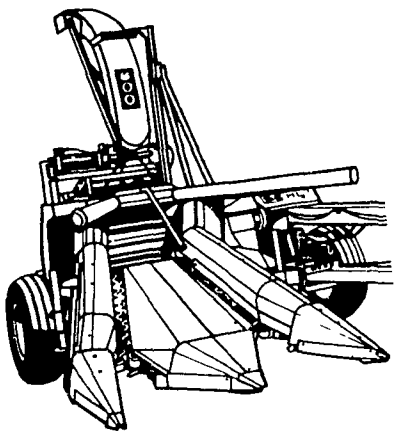

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VonGarlem named director of tobacco division

NEW YORK, NY - Assistant Secretary P. R. Smith today named Thomas A VonGarlem director of the Tobacco Division of the U.S. Department of Agriculture's Agriculture Marketing Service.

VonGarlem has had a high level of involvement in tobacco programs. He worked first as an agricultural aide and then as a research agronomist for USDA at Beltsville from 1956 to 1960.

After serving as a naval officer from 1960 to 1966, VonGarlem spent about a year as ASCS county office manager in Annapolis, Md. He was an ASCS agricultural marketing specialist from 1967 to 1970, a tobacco marketing specialist from 1970 to 1973, an assistant branch chief and chief from 1973 to 1976.

In 1976-77 he was deputy director of ASCS's Tobacco and Peanut Division developing tobacco and peanut policies and programs with respect to production adjustment, price support, purchases, commercial warehousing, sales, management and disposal in domestic and foreign outlets.

Since 1977 he has been, primarily, deputy director, and for a while acting director, of ASCS' Price Support and Loan Division, administering price support and loan programs for a number of agricultural commodities, including tobacco.

VonGarlem has received several ASCS awards for outstanding performance He is a member of Alpha Zeta, an agricultural honorary society

He was born and reared on a farm in Upper Marlboro, Md., which raised tobacco, feed grain wheat and cattle.

The University of Maryland awarded him a bachelor's degree in agronomy in 1960.

As director of AMS' Tobacco Division, he succeeds Leonard J. Ford who is retiring. This division administers a number of programs for tobacco and naval stores (turpentine and related products). The most prominent of those programs are the collection and dissemination of market news, the development of standards of quality and condition and inspecting and grading according to those standards.

VonGarlem and his wife, the former Sharon Taff, live in Crownsville, Md. They have three children, Thomas, Jr., 18; Andrew, 14; and Sarah, 11.

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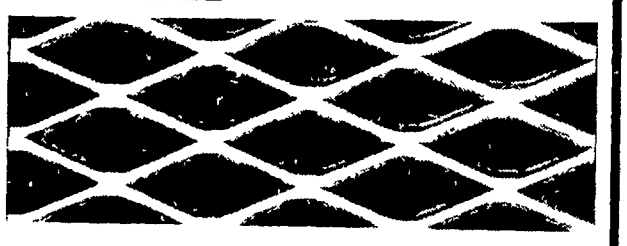

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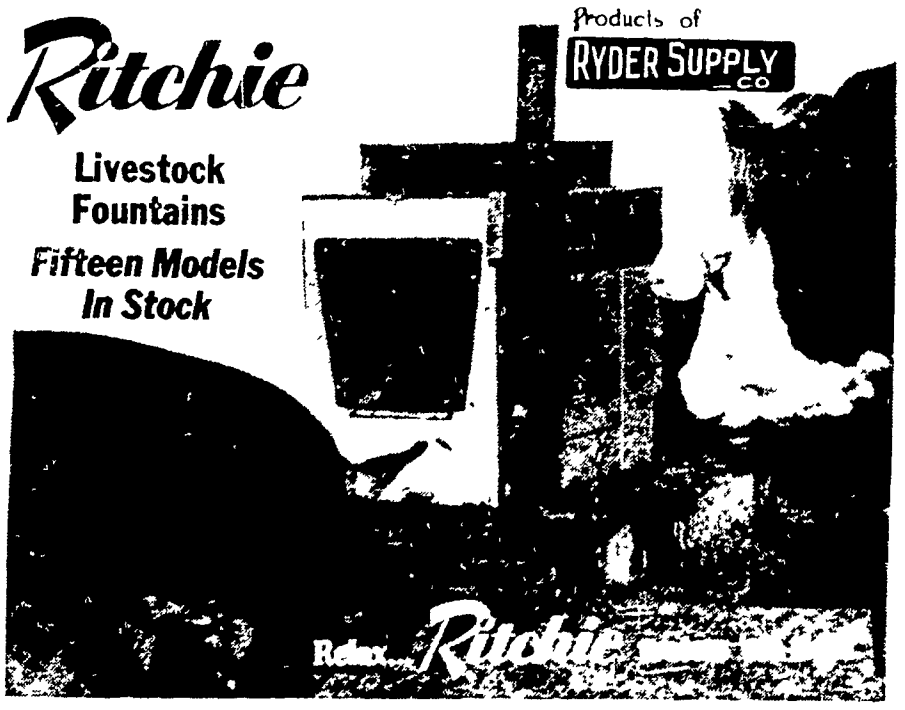

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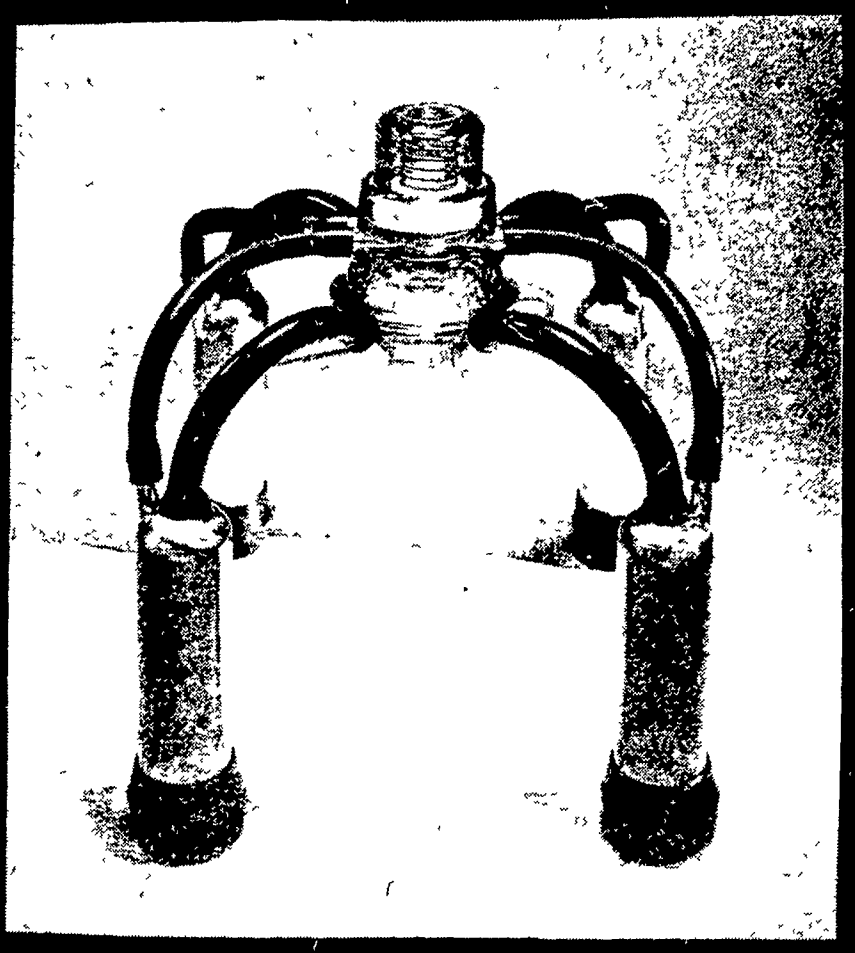

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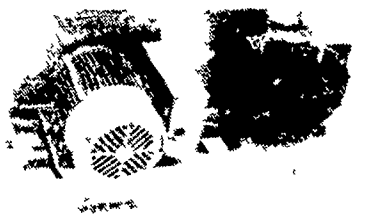

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HUNDREDS OF INSTALLATIONS IN THE U.S.A.-THOUSANDS WORLDWIDE

HARRISBURG — The Pennsylvania Association of the Future Farmers of America will hold its Winter Convention here next week.

A highlight of this annual convention is the presentation of 330 Keystone Degrees recipients

The award ceremony will be conducted in the Forum, Educational building on January 9.

The Keystone Degree is the highest state award conferred on members of the FFA The degree is presented to the top 2 5 per cent of the total state membership

Students must have met the minimum qualifications of earning at least $500 from their projects, demonstrated leadership by serving as a Chapter officer or committee chairman.

In addition, candidates must have previously earned the Greenhand, Chapter, and County Farmer degrees.

The **Lancaster Farming** staff congratulates all of the outstanding young Keystone Degree recipients, their parents, and their vocational agriculture instructors and advisors.

Lancaster County is the single county with the most Keystone Degree nominees. The Manor FFA Chapter of Penn Manor High School is the largest school represented The Chapter has eleven members who will receive the degree.

In addition to the Keystone Degrees, special State Awards will be presented.

The 1980 Regional Star Farmers in the South Central Region is Jesse Reichard, a member of the Blue Ridge FFA Chapter, Franklin County.

Larry A Shrawder of the Kutztown FFA Chapter was chosen the Eastern Regional Star Farmer.

Arlane H Keener of the Elizabethtown has been named the Eastern Region Agribusiness winner.

Susah Kulp of the Owen J Roberts High School, Chester County, will receive the 1980 Ayrshire Breed Association Award

Following is the 1980 Keystone Degree nominees within **Lancaster Farming's** prime coverage area

Lancaster County

ARLEN H. KEENER
Elizabethtown Area High School

Arlen H. Keener will receive his Keystone Degree next week. He will also be honored as the Eastern Regional Star Agri-Business winner. Both of these honors will be presented during the State FFA Convention in Harrisburg.

Arlen is the 18 year old son of Walter and Martha Keener, R1 Elizabethtown. He is employed by Penn Springs Farm, Elizabethtown, as the herdsman for the dairy operation.

Arlen has begun a high quality Holstein herd of his own.

He has shown the dairy animals at local, regional, and state shows

As a five year member of the Elizabethtown FFA Chapter, Arlen was a state winner in the project book contest, and has won numerous dairy proficiency awards.

Arlen H. Keener

Arlen served as the Chapter chaplain.

Arlen is also active in many other dairy organizations. He is president of the Lancaster County 4-H Dairy Club, a director of the Lancaster County Junior Holstein Club, a member of the Pennsylvania Holstein Association, the National Junior Holstein Association and the Elizabethtown Mennonite Youth Fellowship.

Timothy A. Gockley

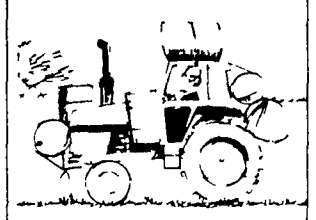
TIMOTHY ALLEN GOCKLEY
Ephrata High School

The 17 year old son of Elmer and Louise Gockley, Timothy Allen Gockley is a member of Cloister FFA Chapter.

A four year member of FFA, he lives at R 1 Reinholds.

(Turn to Page C30)

TRACTOR SAFETY HINT



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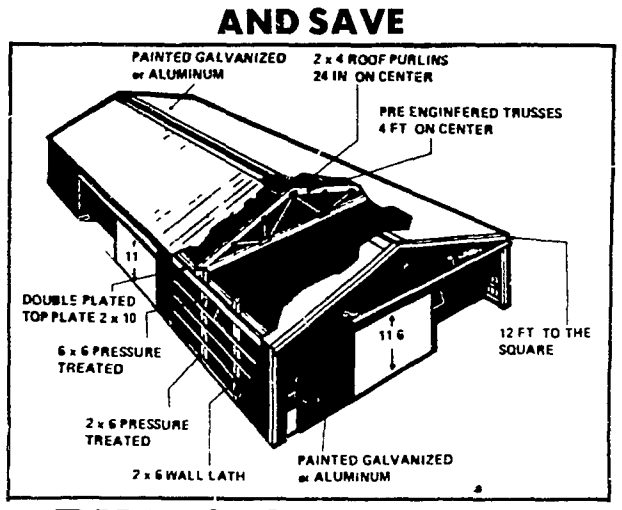
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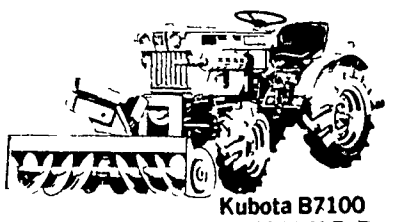
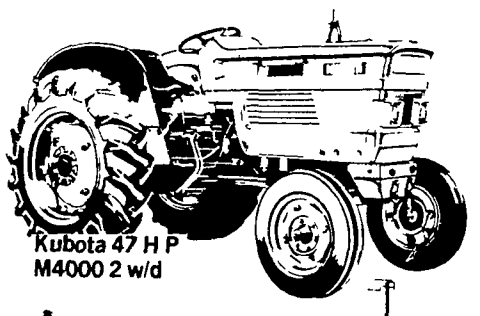
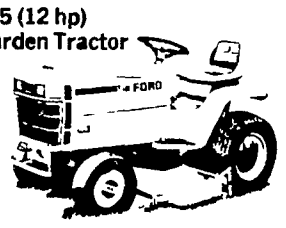


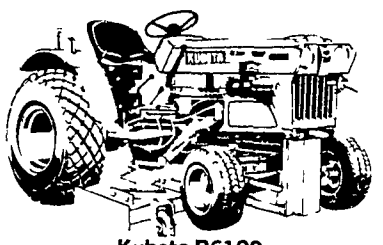
Kubota B7100 4 w/d 16 H P. Diesel



Kubota 47 H P M4000 2 w/d

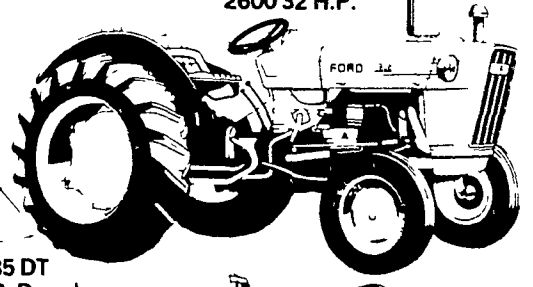
Ford LGT 125 (12 hp) Lawn and Garden Tractor

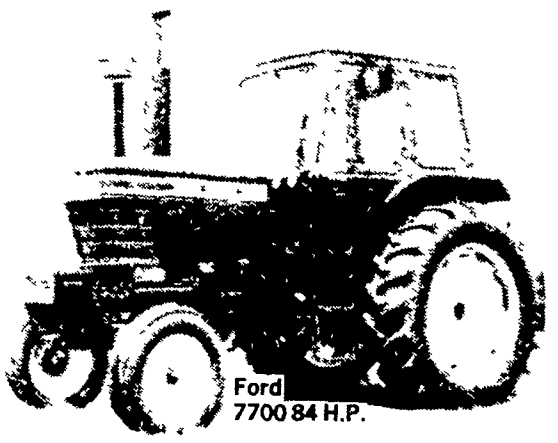




Kubota B6100 2 w/d 14 H.P Diesel

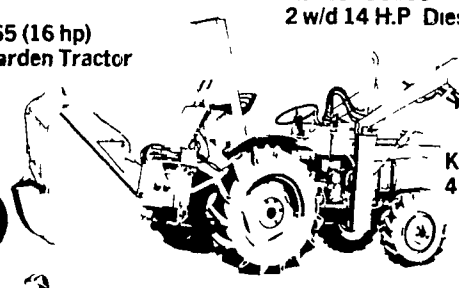
Ford 2600 32 H.P.





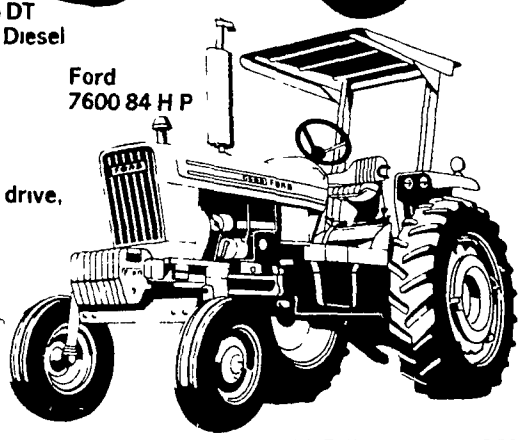
Ford 7700 84 H.P.

Ford LGT 165 (16 hp) Lawn and Garden Tractor

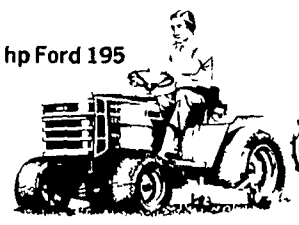


Kubota L-185 DT 4 w/d 17 H P Diesel

Ford 7600 84 H P



The 19 9 hp Ford 195



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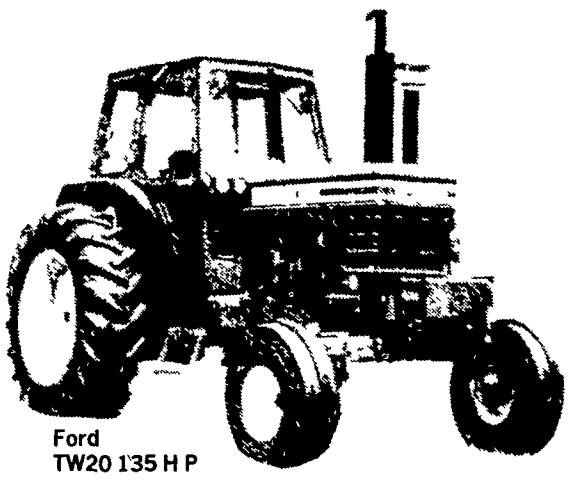
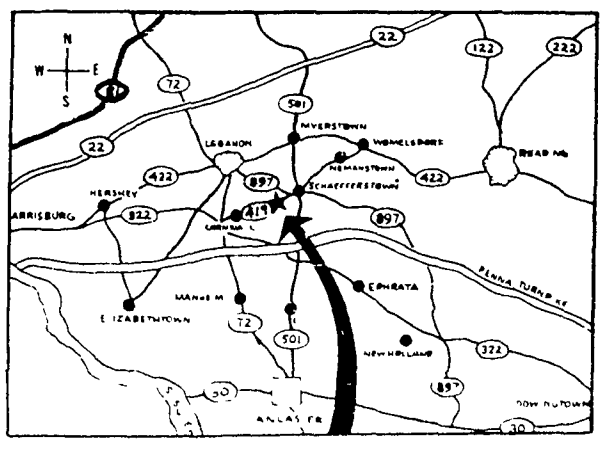


Ford TW20 135 H P



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(Continued from Page C29)

Gockley has had a number of FFA projects including three steers, 225 market hogs, 100 capons, 50 broilers, a veal calf and a boar, four sows, and 40 acres of field corn.

He has served the Cloister chapter as chaplain and committee leader

He has won several tractor driving contests, including one chapter title, two area contests and two state contests

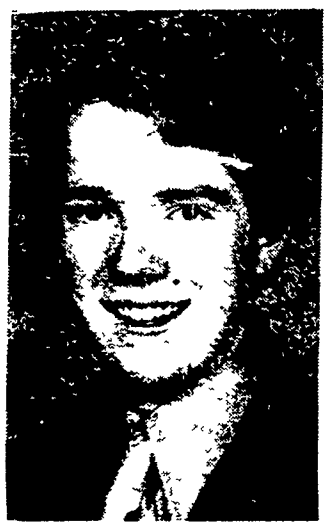
He has won both the chain steer and chain gilt awards He also won a [illegible] production award at the farm show

He won the Red Rose area [illegible] award

Gockley [illegible] part-time [illegible] He enjoys snowmobiling, motorcycling, sports, and working on automobiles

He plans to work in agricultural sales and service, perhaps for a machinery dealer

In the distant future he said he hopes to farm full time some day



Ray Good

RAY GOOD
Ephrata High School

Ray L. Good, R 1 Ephrata, is a four year member of Cloister FFA chapter.

He is the 17 year old son of Lester T. and Kathryn Good.

Ray has chaired several FFA committees including the community service committee and the supervised farming committee. He also served on the earning and savings committee

He earned a bronze medal in land judging at Penn State

Ray was a member of the livestock judging team at the Eastern National Livestock judging.

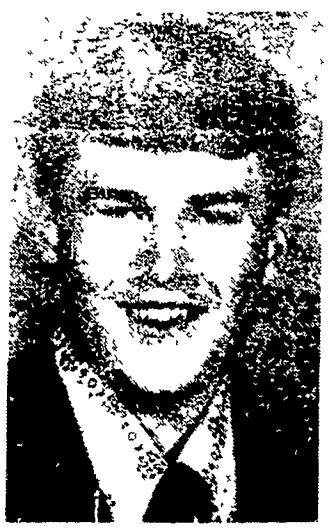
He has had 288 market hogs and 1330 broilers as FFA projects, and won the chapter swine award

He was star Greenhand, Star Chapter Farmer and Star Red Rose farmer

In addition to being a member of the FFA, Ray also is a member of the Christian Fellowship club and is a member of Servants of Love Church

He is interested in coin collecting, motorcycle riding baseball, volleyball and basketball

Future plans include working at Victor Weaver Poultry and raising hogs



Ronald E. Good

RONALD A. GOOD
Ephrata Senior High School

Ronald Good, a four year member of the Cloister FFA Chapter, has been selected to receive the Keystone Farmer Degree. The seventeen year old FFA'er is the son of Isaac B. and Shirley S. Good of R.D. 1 Stevens.

Good has a long list of achievements in his career as a FFA member. He was elected as his chapter's vice-president last year, and is serving as president this year. In addition to the Keystone Farmer Degree, Good has earned Greenhand, Chapter Farmer, and Red Rose Farmer.

Good won first place in the State dairy foods judging contest in 1977 The following year found him placing first in the State small gas engine trouble shooting contest. And, this past year, he captured first place in the State agriculture mechanics contest.

In National competition, Good earned a silver medal in dairy foods judging in 1977, and a gold medal in the ag mechanics contest in 1979 He was a member of the third place team in the National small gas engine contest held at the Eastern exhibition in Springfield Massachusetts in 1978

Ronald's FFA projects included raising a 325-plant strawberry patch since 1977 He has also raised capons for the past two years Ron has been an active member of numerous FFA committees

After graduation, this year's Keystone Farmer hopes to work as a full-time mechanic at Shotzberger's Equipment

Hans P. Groff

HANS P. GROFF
Ephrata Senior High

Hans P. Groff, 123 Lincoln Avenue, Ephrata, is the son of Mr and Mrs Abram Groff

A member of Cloister FFA chapter, the 18 year old has been associated with Future Farmers for four years

He has shown sheep at local and state fairs, and participated in dairy product [illegible] poultry public [illegible] barnyard [illegible]

He went to Kansas City in the Farm Management contest this year

Farm projects included raising pigs, broilers, and sheep

In 1978-79 he was the Earnings and Savings

(Turn to Page C32)

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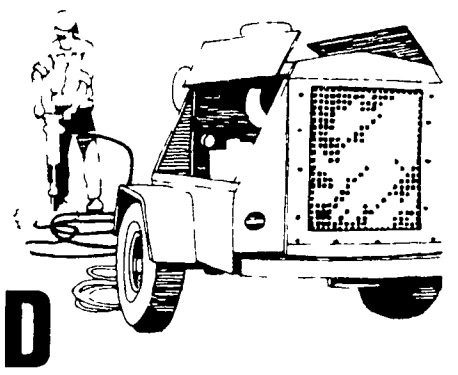

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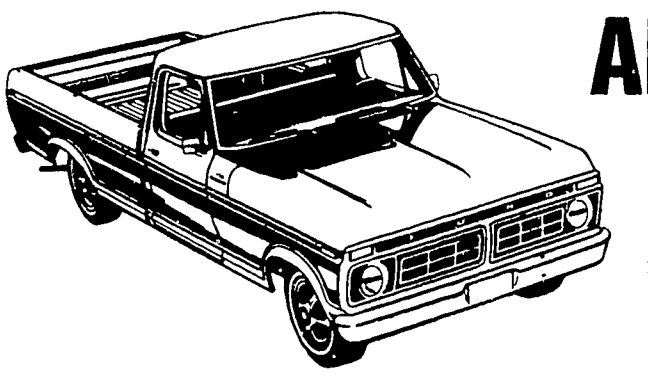

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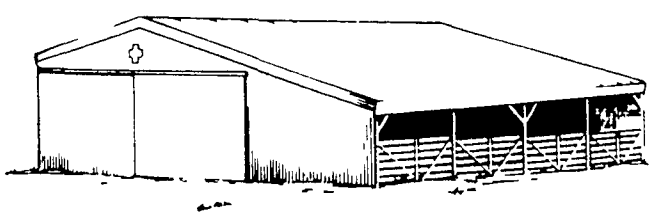
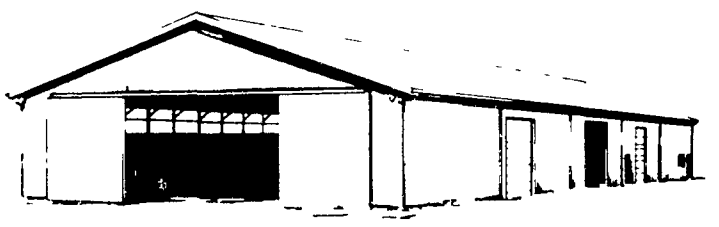
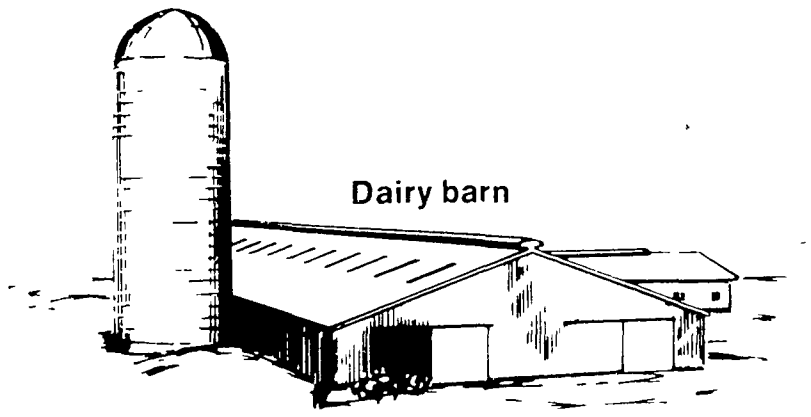
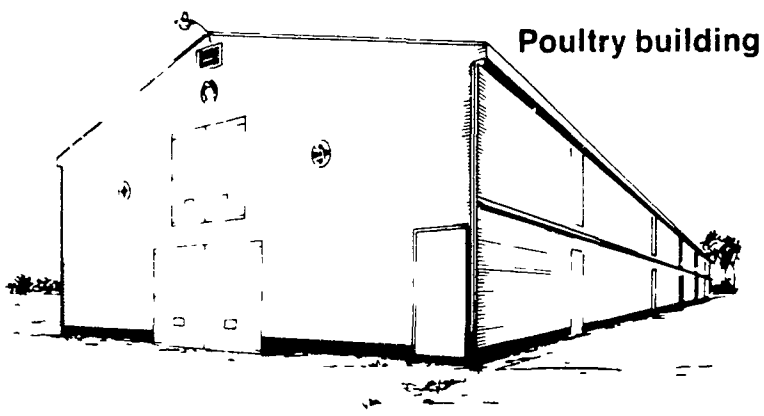


General utility building



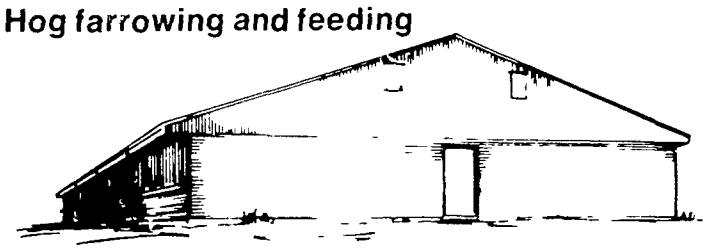


Dairy barn

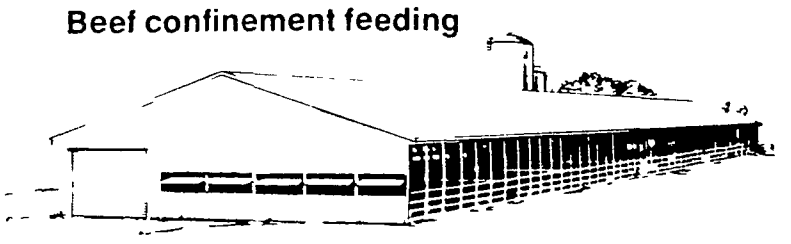


Poultry building

Hog farrowing and feeding



Beef confinement feeding



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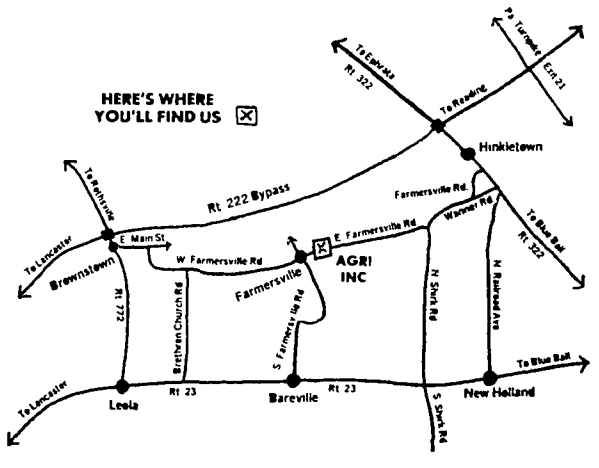

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(Continued from Page C30)

committee chairman. He earned his Greenhand award in 1976 and Chapter award the next year.

He placed first in the dairy products judging in Pennsylvania at Penn State during FFA week. He also placed second in the farm management contest at Penn State this past year.

Groff is a member of Bethany United Church of Christ.

He said he enjoys reading, cycle riding, raising animals, working with plants, and home maintainence.

Presently, Groff is employed by Stauffers of Kissel Hill in landscaping. He said he plans to continue working there.

He said he hopes to be an owner of a small farm some day.

LAMAR GROFF
Ephrata High School

Lamar Groff, R1 Stevens, is the son of Harold Groff, Jr. and Mariam Groff.

Lamar has been a member of Cloister chapter for four years.

Projects during that time included raising market hogs and laying hens.

Lamar attained Greenhand, Chapter, and Red Rose Farmer degrees.

He also earned a poultry production award and an agricultural sales and service award on the chapter level.

He was on the milk products judging team that represented the state of Pennsylvania at the national level in Kansas City.

Lamar has participated in a number of school clubs and activities.

He enjoys sports-related activities, hiking, coin collecting and roller skating.

Groff's plans for the future are to get a position in the animal nutrition field.

Lamar Groff

HAROLD KAUFFMAN
Ephrata High School

Harold Kauffman, 17, of R 1 Reinholds, is the son of Harold and Betty Kauffman.

Harold has been a member of the Cloister FFA chapter for four years.

He has been chairman of the farming committee and was a member of the scholarship committee.

Harold Kauffman

(Turn to Page C33)

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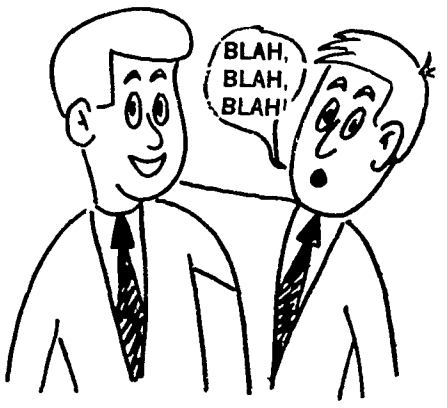

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(Continued from Page C32)

Farm projects include 58 market hogs, a pair of sows, and 65 capons

He has advanced through the Greenhand, Chapter and Red Rose degrees.

On the way, he earned a silver medal in meats judging on the state level and a silver medal in agricultural mechanics.

Kauffman also won a certificate from the youth Institute of Co-op Business

He was a member of the second team at the Eastern National Livestock judging contest He showed the reserve middleweight champion hog at the Ephrata fair, and came in ninth overall in judging at the Solanco Fair

Kauffman said he enjoys sports and hunting His future plans are to work on a dairy farm

Ronald L. Fox, Jr.

RONALD L. FOX, JR.
Garden Spot
High School

Ronald L. Fox, Jr., son of Mr. and Mrs. Ronald Fox, Sr. of Narvon, was selected as one of Lancaster County's Keystone Farmer Degree recipients.

Ronald has been a member of the Grassland FFA Chapter for four years He is also a member of the Junior Agriculture Club.

"In my four years, I have had 8 fat steers, 8 sheeps, 200 rabbits, 2 sows, 1 boar, 2 fat hogs, 16 acres of corn each year, 5 acres of clover hay each year, and 2 acres of tobacco," noted Ronald He has been a member of the Supervised Farming committee during those four years, along with the banquet and entertainment committees

Ronald has served his chapter as sentinel for two years, and was chaplain. He was a member of the Parliamentary Procedures team, and a contestant in the State Poultry Contest where he received a silver medal. Fox was awarded honors for crop proficiency.

The Keystone Farmer adds this new degree to his Greenhand and Chapter Farmer degrees. He also was named Star Chapter Farmer and Red Rose Farmer.

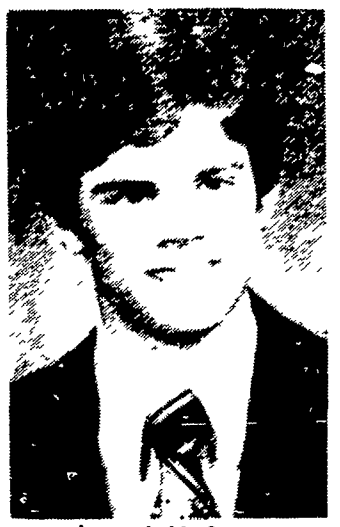
Ronald had this to say about his plans for after graduation "I plan to farm and raise steers and the crops to feed them. I would also like to put up a farrow-to-finish hog house, and raise some veal calves." This Keystone Farmer has ambitious goals and, through FFA, is getting the knowledge and experience to achieve them

JOSEPH H. GOOD
Garden Spot
High School

Joe Good is one of this year's Keystone Farmer Degree winners. A four-year member of the Grassland FFA Chapter, Joe was the local delegate to the National Convention.

He has served as chairman of Conduct of Meetings, and was a member of the Parliamentary Procedures team. Other committees that Joe has been a member of includes Golden Emblem, banquet, and membership

The Keystone Farmer has also earned the honor of Red Rose Farmer. He received a gold medal for his record book in the State contest Good served two years as his chapter's vice-president, and one year as president.



Joseph H. Good

During the All-American Dairy tours, Good was a guide. He also helped with the Co-op Career Day.

Good hopes to continue working at Musselman Lumber Inc. in New Holland after graduation.

OWEN HARTZ
Garden Spot
High School

Lancaster Countain Owen Hartz has been nominated to receive the Keystone Farmer Degree. He is the eighteen year old son of Paul and Joyce Hartz of R.D. 1 Morgantown.

During his four years with the Grassland Chapter of FFA, Hartz has raised 122 pigs and 3 acres of corn. He worked as a milk tester for his work experience project. Hartz has served as a guide during the All-American Dairy Tour, and was his chapter's delegate to the National Convention.

Owen Hartz

Prior to receiving the Keystone Farmer Degree, Hartz received the Red Rose Farmer award. He was given an honorable mention in the agriculture mechanic State contest.

Hartz was a contestant in the record book and agronomy competition. He was a member of the Parliamentary Procedures Team, and served as student advisor.

After graduation, he would like to work on his home farm and raise beef cattle and crops He would like to continue with his work experience as a milk tester

(Turn to Page C34)

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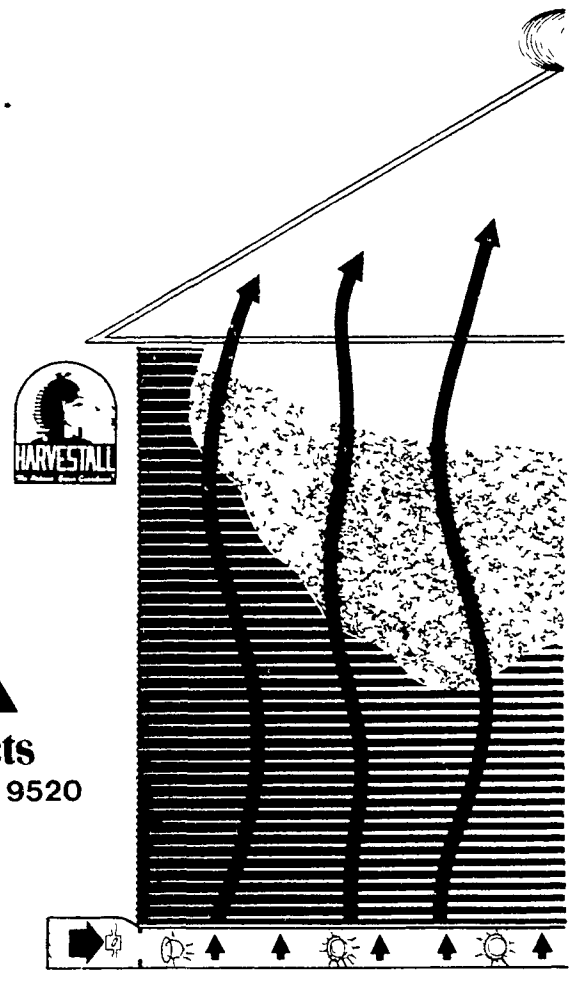

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(Continued from Page C33)

CHRISTIAN R. HERR
Garden Spot
High School

Christian Herr, 17, of R.D. 2 Narvon, has been selected to receive the Keystone Farmer Degree. He has been a member of the Grassland FFA chapter for four years.

The son of Robert D. and Betty W. Herr, Chris has achieved the degrees of Star Greenhand, Star Chapter Farmer, and Star Red Rose Farmer while in FFA. He has served as his chapter's president, second vice-president, and secretary. He was also elected as Lancaster County's vice-president.

Some of Herr's projects included raising market lambs, market steers, and market hogs. He was a member of the executive, banquet, entertainment, and state and county activities committees.

Herr is a member of the Varsity soccer and track teams at Garden Spot. He is also a member of his church's student council.

Christian R. Herr

This year's Keystone Farmer plans to attend college next Fall, majoring in the field of agriculture business.

Jeff Scott Krick

JEFF SCOTT KRICK
Garden Spot
High School

Jeff Krick of R.D. 2 Reinholds, has been selected to receive the Keystone Farmer Degree. Jeff is the seventeen year old son of Richard and Vivian Krick.

The four year member of the Grassland Chapter of FFA has several projects, including laying hens, swine finishing, and raising two breeding sows. He was also a member of the cooperation committee and the banquet committee. He served as a guide during the All-American Dairy Tour.

Krick placed first in the Ephrata hog show, and took fourth place in the wheat division of the crops exhibits at New Holland.

In his spare time, the Keystone Farmer enjoys hunting, fishing, trapping, and outdoor sports.

Krick hopes to work in some agriculturally related business after graduation.

Gerald Martin

GERALD MARTIN
Garden Spot
High School

Gerald Martin says he dreams of owning his own ranch in Montana or any other Western state. Although that dream is not yet realized, Gerald has realized the dream of earning the Keystone FFA Degree

As the 17 year old son of Lloyd and Esther Martin, Gerald is a member of the Garden Spot FFA Chapter. His FFA projects have included a horse, turkeys, rabbits, field corn and on the job work experience. Gerald works at the Shady Maple Farm market as a part of his FFA work experience.

Gerald has attended the National FFA Convention in Kansas City He has served as a tour guide at the All-American dairy show and attended this summer's PAFC seminar at Shippensburg State College.

Gerald was chosen the Star Red Rose Agribusinessman. He received the Red Rose Farmer Degree, and a Soil and Water Conservation Foundation Award.

Placing third in the State Land Judging Contest, Gerald competed at the National Convention to earn an honorable mention.

The state record book, poultry, and agronomy contests are some of the competitions in which Gerald has participated.

Gerald plans to work at Conestoga Wood until he can purchase that Western ranch.

He has participated on the varisty wrestling team and is involved in boy scouts

GERALDINE WEAVER
Garden Spot
High School

Geraldine Weaver has earned three FFA Foundation Awards. This week she will receive another award, the Keystone Degree.

Geraldine Weaver

Geraldine is the 17 year old daughter of Mr. and Mrs. Ira Weaver, R1 East Earl.

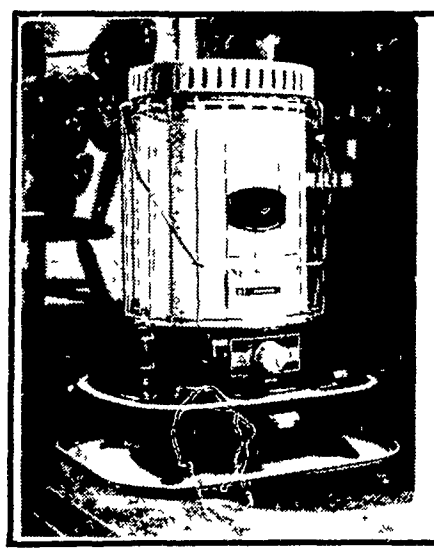
Her three FFA Foundation Awards were the Outdoor Recreation Award, Fish and Wildlife Management Award, and the Star Chapter Degree.

Geraldine also earned the Greenhand Degree.

Her leadership positions have included serving as Chapter sentinal. She has participated on a variety of committees, including the supervised occupational experience, recreation, community service, and alumni relations committees.

Shady Maple Farm Market has employed

(Turn to Page C36)



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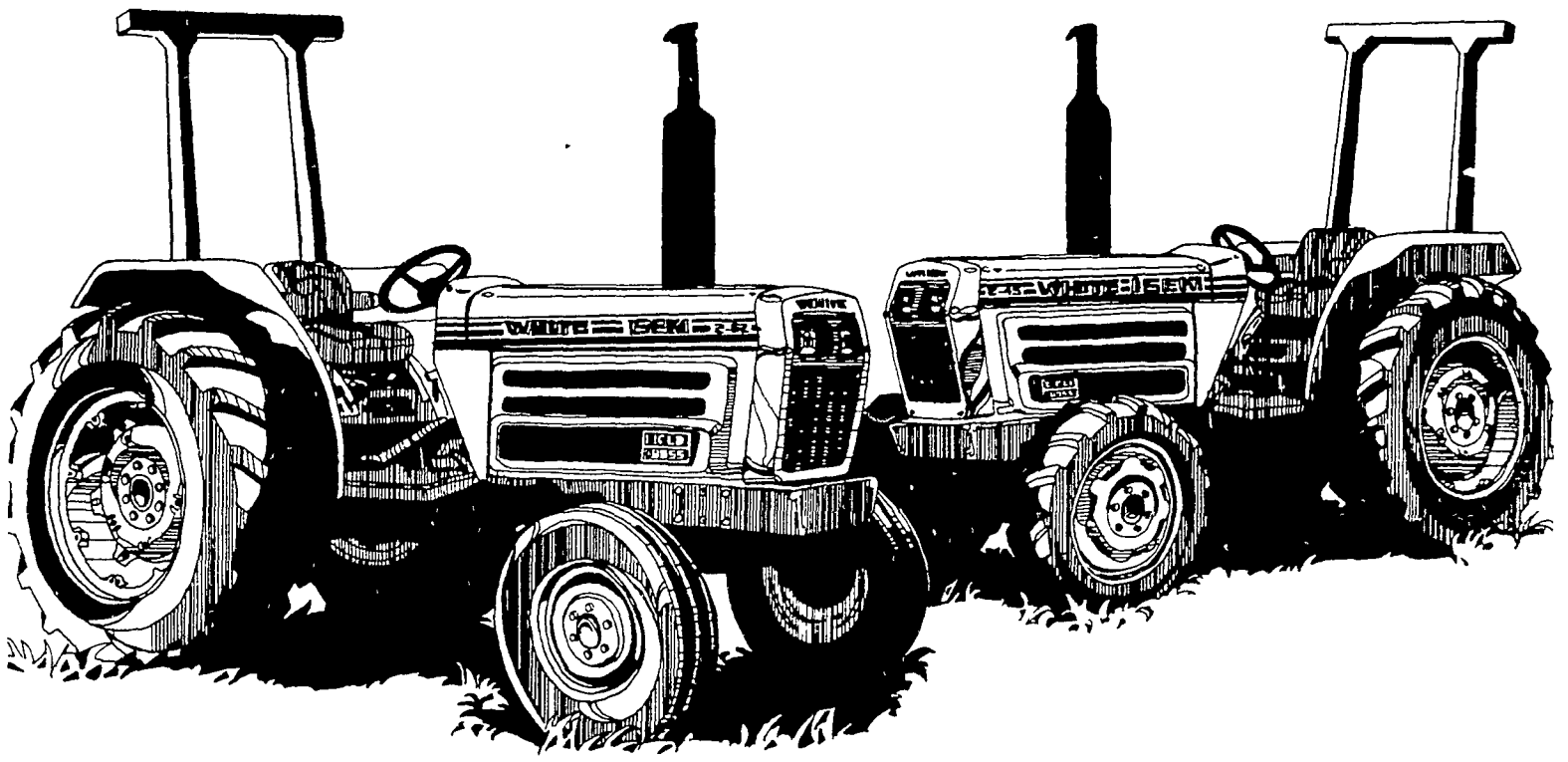

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(Continued from Page C34)

Geraldine in cooperation with the work experience program. Her additional projects include swine breeding, wildlife zoo management, and home improvement.

Geraldine is a member of the junior girls sewing circle and her church's youth group.

Her future plans include working for a landscaping agency and eventually owning her own business

Geraldine's hobbies include working with animals, skateboarding and roller skating

Dale L Witwer

DALE L. WITWER
Garden Spot
High School

Another Lancaster County Keystone Farmer is Dale Witwer, 18, of Bowmansville. Dale has been a four year member of the Grassland Chapter of FFA.

Rabbit raising and growing field corn were two of Dale's projects He has also been a member of the entertainment, banquet, and supervised farming committees. Dale was the local delegate to the National Convention in Kansas City, and helped with the Milk Products Cooperative Day.

Witwer has earned his Red Rose Degree, and the crop proficiency and hunting awards. He was a group 3 winner in the PCIA one acre corn contest in 1976.

Upon graduating from high school, this Keystone Farmer plans to buy or rent a small farm and raise steers and pigs. He would also like to build a rabbitry, consisting of 200 to 300 doe and 100 buck.

Donald L. Brubaker

DONALD L. BRUBAKER
Lampeter-Strasburg
High School

Donald L. Brubaker, 18, has been nominated to receive the Keystone Farmer Degree. He is a four year member of the Garden Spot FFA Chapter, where he previously earned the recognition of Star Greenhand and Star Chapter Farmer

Donald is the son of Mr and Mrs Harold Brubaker, of R D 1 Strasburg. He helps out on his parents' farm, and raises his FFA swine projects there. Donald finished 500 head of hogs, and raised 10 sows and 2 boar hogs

In his FFA chapter, Donald has held the offices of assistant vice-president and vice-president. He was also elected county president and served as student advisor.

The Keystone Farmer was a member of the livestock, meat judging and public speaking teams. He was the alternate Star Red Rose Degree winner, and received the Swine Proficiency award

Brubaker is a member of the school safety league, and the Dekalb fieldmasters club.

Donald's plans for after graduation include working on his father's farm. He hopes to increase his swine herd.

Jerry Myer

JERRY MYER
Lampeter-Strasburg High School

Jerry Myer, 17, is the son of Mr. and Mrs. Herbert N Myer, 1150 Village Road, Lancaster.

He has been a member of Garden Spot FFA chapter for four years.

Jerry's projects have included swine finishing, beef finishing, and tobacco.

He is a member of the banquet, fund raising, Building of American Communities, and Lampeter Fair Swine and Beef Sale Committee

He has received the Greenhand. Chapter Farmer, and Red Rose degrees.

Jerry has served Garden Spot FFA as chaplain and president for two years. He received proficiency awards in swine and beef finishing

He also was named Burrows Scholar Award winner for agriculture

He is on the varsity soccer and wrestling teams. He is a member of Calvary Monument Bible Church and participates in the youth group.

Jerry said he enjoys sports, hunting, and working with engines.

His future plans include farming, fattening steers and hogs, and possibly running a beef cow herd.

(Turn to Page C37)

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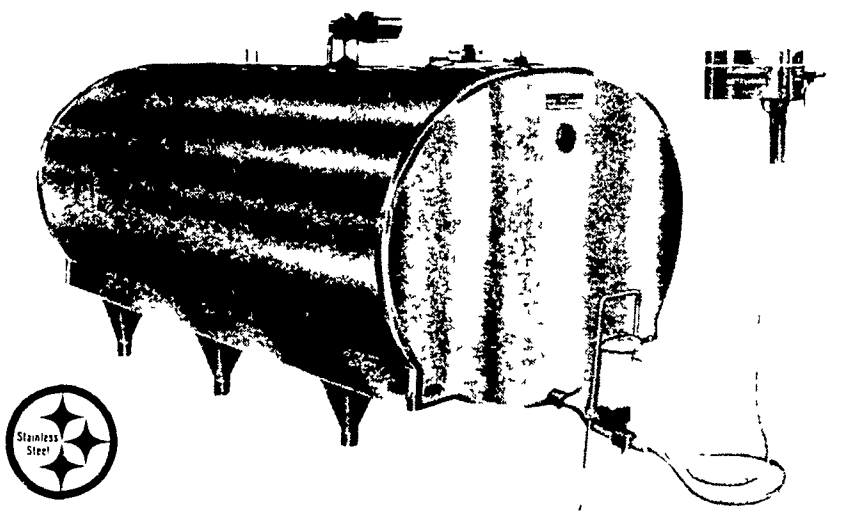

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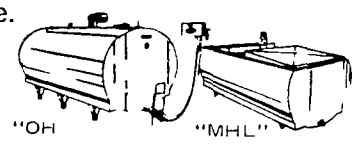

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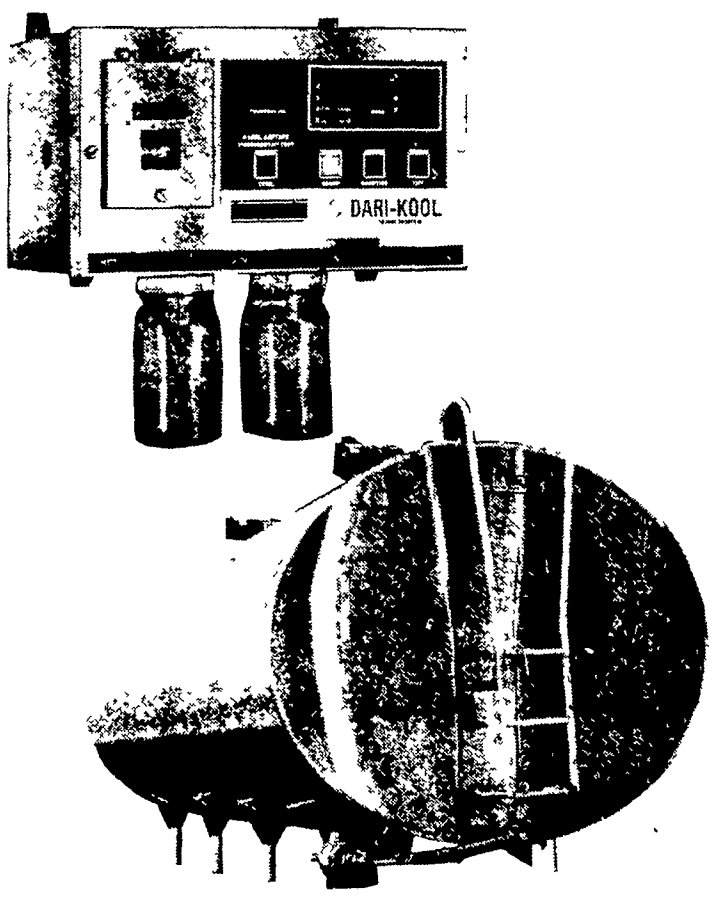

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(Continued from Page C36)

J. EDWARD NISSLEY
Manheim Central
High School

J. Edward Nissley is the 17 year old son of Mr and Mrs. Jay R. Nissley of R5 Manheim. Edward will be receiving the coveted State Keystone Degree on January 9 during the Winter FFA Convention.

Presently, Edward is the chairman of the Food for American committee and is serving as secretary of the Manheim FFA Chapter.

His major FFA projects include beef finishing, dairy heifers, and capons. He has also served on the beef committee.

In addition to his FFA involvement, Edward is active in the Elm-Penryn 4-H Club, and the Lancaster County Red Rose Beef and Lamb Club.

His hobbies include

J. Edward Nissley

hunting, trapping and skating. He is also a member of the Chiques Church of the Brethren.

Edward's post graduation plans include working in an agri-business related occupation and assisting on his fathers farm.

DENNIS L. SHELLY
Manheim Central

Dennis L. Shelly, R 6 Manheim, has been nominated for the Keystone Farmer Degree.

The son of Mervin B. and Thelma Shelly, he has been a FFA member for four years.

During that time he worked on hog finishing and rabbit breeding projects, completed on-farm work experience, and worked on the children's barnyard, corn and tobacco show and refreshment committees.

Dennis served as sentinel

Dennis L. Shelly

and treasurer of the chapter. He was honored as the chapter's star agribusinessman and won a chapter scholarship. He advanced from Greenhand to Chapter Farmer, and is a Red Rose Farmer.

He is an avid hunter and enjoys sports of all kinds.

His future plans include a stint as a farm hand and he said he would like to work as a DHIA milk tester.

Glenn F. Shenk, II

GLENN F. SHENK, II
Manheim Central
High School

Glenn Shenk, II, is president of the Manheim Central FFA Chapter. In his junior year, he served as the Chapter secretary.

Glenn's major FFA project is Holstein cows and heifers. As the son of Mr. and Mrs. Glen Shenk, R2 Lititz, Glenn has plans of entering into a partnership on the family farm.

In addition to the dairy project, Glenn has raised capons, strawberries, corn, and alfalfa hay as side projects.

Glenn will receive the Keystone Degree on January 9 during special ceremonies at the Winter FFA Convention. In the past two years, Glenn earned the Star Greenhand Farmer and Red Rose Farmer Degrees.

Glenn is a member of the Lancaster Holstein 4-H Club and is president of the Elm-Penryn 4-H Club.

His hobbies include snowmobiling, hunting, fishing, and skating.

Timothy David Frey

TIMOTHY DAVID FREY
Penn Manor High School

Timothy David Frey is the son of Mr. and Mrs. Allen Frey of R7, Washington Boro.

Tim is a senior at Penn Manor and is completing his fourth year of FFA. His projects include market hogs, sheep, tobacco, goats and work experience.

He has participated on the following committees, chain lamb, fruit committee, banquet committee, stream clean-up, BOAC, and the window display committee.

He has served the Manor FFA Chapter as assistant sentinel and assistant chaplain.

He has earned the Greenland, Chapter, Red Rose and now the Keystone Degree. Tim participated on the Parliamentary Procedure team and showed animals at local fairs. He is a member of his youth group and Youth For Christ

In the future Tim plans to continue working at Turkey Hill Farms. His hobbies include hunting, fishing, camping, farming, and sports.

RUSSELL MARKS
Warwick High School

Russell Marks, the Warwick FFA Chapter president, will receive his

(Turn to Page C38)

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(Continued from Page C37)

State Keystone Degree on January 9.

Russell is also the County FFA Association treasurer. His FFA projects have included commercial vegetables, barley, market swine, and field corn.

He has participated on the FFA basketball and volleyball teams and is a member of the Warwick football, wrestling and track teams.

Prior to earning the Keystone Degree, Russell received the Greenhand, Chapter Farmer, and Red Rose degrees.

Russell's post graduation plans include attending college to study agriculture.

Russell enjoys building models and playing racquetball and handball.

He is the 17 year old son of Mr. and Mrs. Harry D. Marks of Church Road, Lititz.

Russell Marks

Douglas E. Snavely

DOUGLAS E. SNAVELY
Warwick High School

Douglas E. Snavely, 17, is the son of Mr. and Mrs. Gerald L. Snavely, of Snavely Mill Road, Lititz.

As a Warwick Chapter FFA member, Douglas is the Chapter vice - president and the County FFA chaplain.

His FFA activities have included a variety of projects. He has raised market swine, veal calves, field corn and hay. He has also participated in a work experience project, while working on a dairy farm.

Douglas has participated on the leadership committee, banquet committee, and donkey basketball committees.

He has also played on the FFA basketball and volleyball teams. He is a member of the Warwick wrestling team.

Prior to receiving the Keystone Degree, Douglas earned the Greenhand, Chapter Farmer and Red Rose Degress. He was chosen the Star Chapter Farmer.

Douglas says there is a possibility that he will attend an agricultural college.

(Turn to Page D2)

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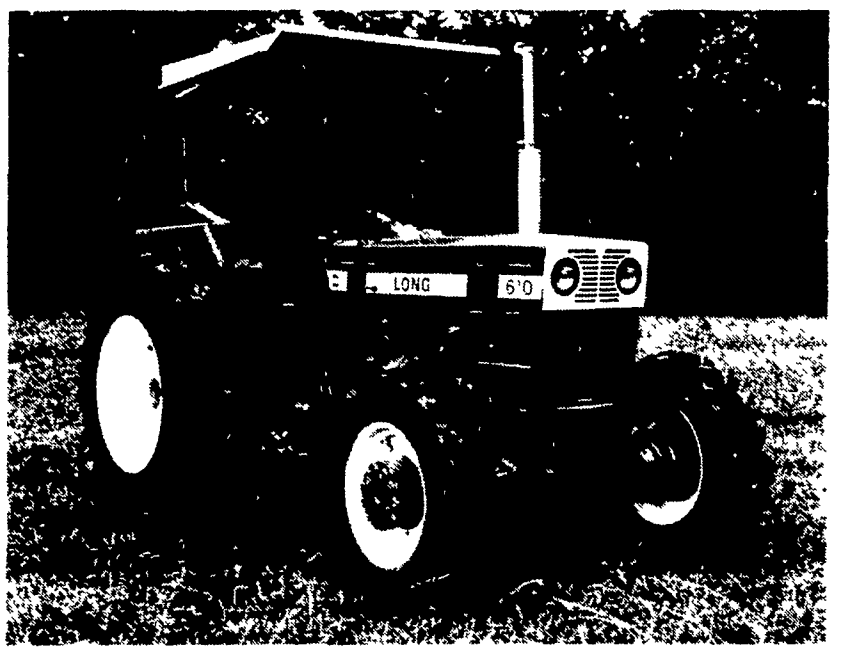

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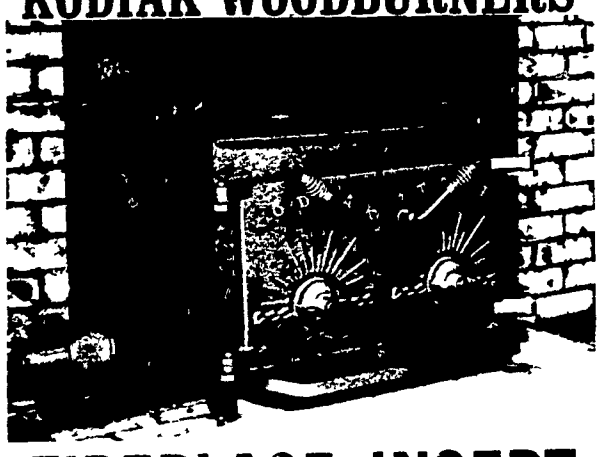

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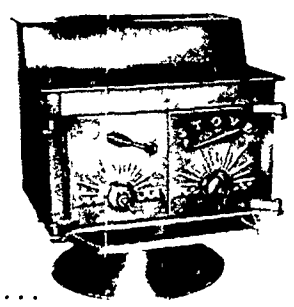

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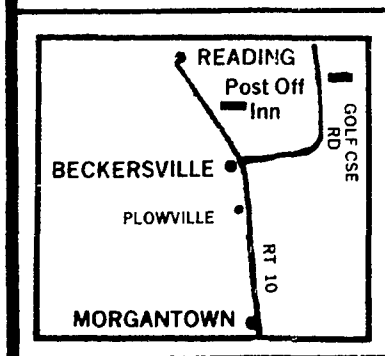

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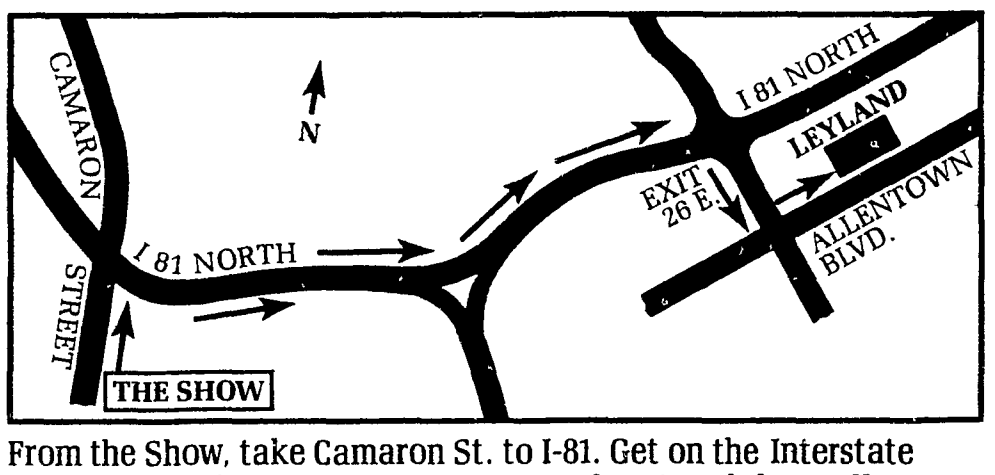

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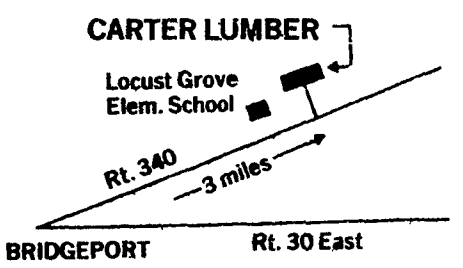

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Lancaster County

(Continued from Section C)

Nelson Breneman

NELSON BRENEMAN
Penn Manor
High School

Nelson Breneman is the 17 year old son of Mr. and Mrs. Amos Breneman of R2 Columbia. He has completed four years of FFA in the Manor Chapter.

His FFA projects included swine breeding, dairy calves, swine fattening, veal calves and a dairy cow.

He has served on the calendar, Food for America, banquet, and chain calf committees.

Nelson served his Chapter as Parliarmentarian, corresponding secretary, and treasurer.

He received the Greenhand, Chapter and also the Red Rose Degrees. He took a dairy judging award at Penn State, and won the Chapter's chain gilt.

His future plans are to farm with his father and brothers on their poultry and dairy farm.

RAMON HUNT
Penn Manor High School

Ramon Hunt is the 16 year old son of Mr. and Mrs. Clyde Hunt. The Hunts live on a 90 acre farm near R7, Millersvillle.

He is a senior at Penn Manor High School and has completed four years of FFA in the Manor Chapter.

Ramon's projects have been market hogs, sheep, corn and tobacco. He served on the banquet committee, TV show committee, and orange sale committee.

Ramon has received a foundation award for crop production and he has also received silver emblem awards for meats judging and agricultural mechanics.

He has served as executive

Ramon Hunt

vice president and treasurer of the Manor FFA Chapter.

Later this year, he plans to get a job in agricultural mechanics.

TIMOTHY E. KREIDER
Penn Manor High School

Timothy Kreider, 17, is the son of Mr. and Mrs. Wilmer E. Kreider of R1, Washington Boro.

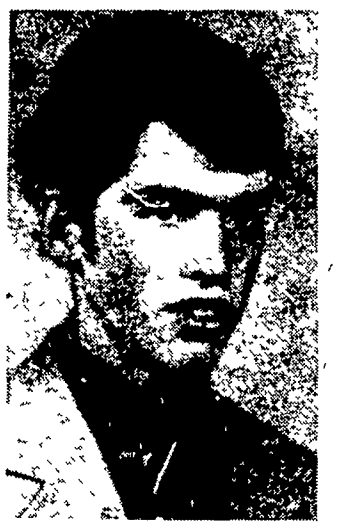
Tim is a senior at Penn Manor and is completing his fourth year as a member of the Manor FFA Chapter.

Tim's projects included swine finishing, beef finishing, field corn and sweet corn.

He has served on the banquet committee, Food for America committee, and window display committee.

Tim was awarded the Greenhand, Chapter and Star Red Rose Agribusinessman Award, and now the Keystone Degree.

His plans are to work with his father at W.E. Kreider



Timothy E. Kreider

Quality Meats, Inc. He also plans to own his own farm.

Tim's hobbies include hunting, fishing, camping, working on cars and farming.

FRED A. LEFEVER
Penn Manor High School

Fred A. Lefever, 19, is the son of Mr. and Mrs. Lester C. Lefever, Jr. of R2, Holtwood.

Fred is a senior at Penn Manor and has completed four years of FFA.

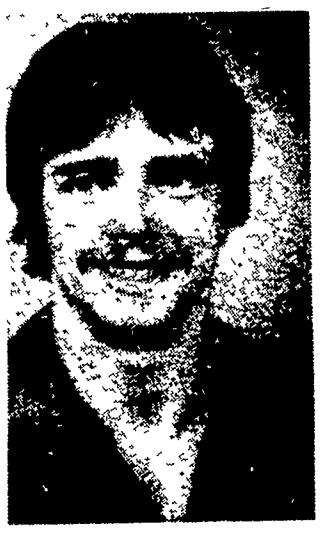
Fred's projects included beef production and field corn. He has served on the banquet committee, Starlicide committee, zoo committee, and window display committee.

He was awarded the Greenhand Degree, Chapter Degree, Red Rose Degree and now has earned the Keystone Degree.

Fred has participated and placed well in the following contests: - creed, poultry and livestock.

This year, he won a trip to the National Convention in Kansas City.

Fred's hobbies include hunting, fishing, camping and farming. He also likes to meet new people. In the future Fred would like to get into farming or get a job in the field of agriculture or attend college.



Fred A. Lefever

GORDON LONG
Penn Manor
High School

Gordon Long, the 17 year old son of Mr. and Mrs. Howard Long, lives on a 100 acre farm at R3, Columbia.

He is a senior at Penn Manor High School and has completed four years of FFA in the Manor Chapter.

Gordon L. Long

Gordon's projects have included corn, tobacco, steers, swine fattening and swine breeding.

He has served on the following committees Lancaster hog show, Starlicide, yearbook, and TV Show.

He also received the following foundation awards; swine production and diversified livestock production and the most outstanding farming program award.

Gordon Long was also named County Star Red Rose Farmer.

(Turn to Page D3)

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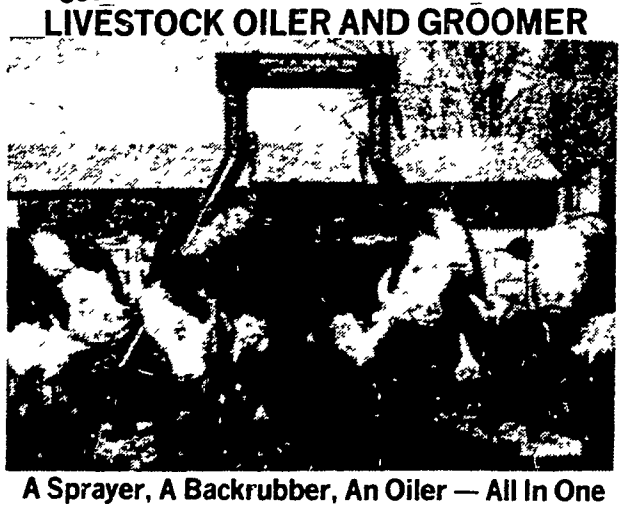

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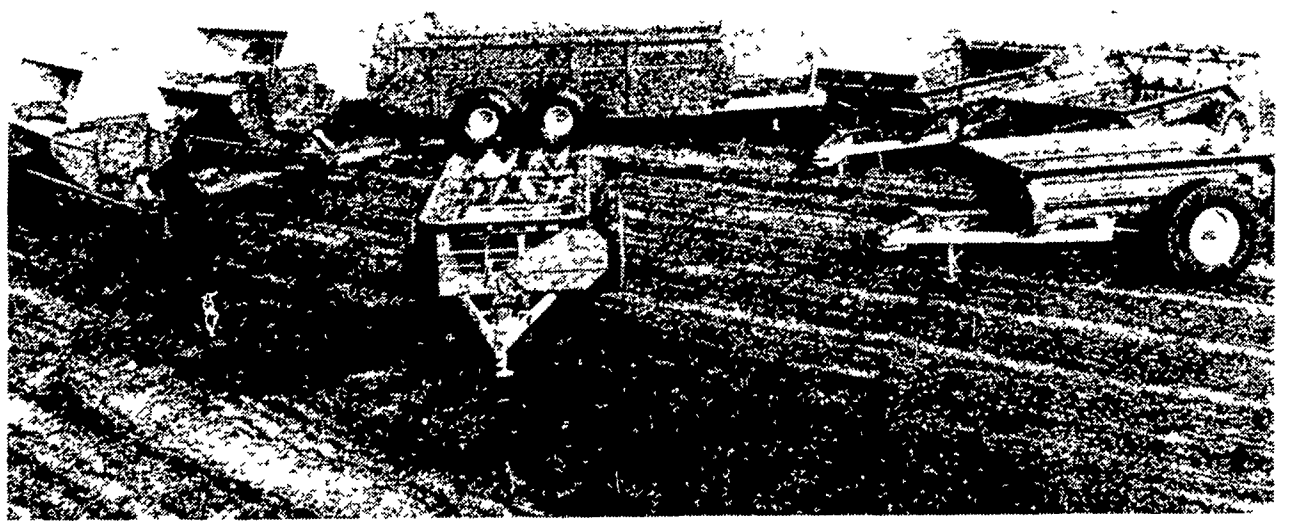

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(Continued from Page D2)

He has served his chapter as vice president and president, and is currently student advisor to the County officers.

His future plans are to continue working with his father in a 120 sow farrowing house and maintain his purebreed swine herd.

JAY McMICHAEL
Penn Manor
High School

Jay McMichael, 17, son of Mr. and Mrs. John McMichael of Willow Street, R.D. 1. Jay has completed four years in the FFA. Jay's projects includes raising hogs, steers which he showed at local fairs. Jay has participated on various committees including Food For America committee, pumpkin contest committee and banquet committee. In his freshman year he was chapter advisor and in his junior year he was sentinal. Jay has received the Greenhand, Chapter, Red Rose and now the Keystone Degree. Jay won the chapter beef proficiency award and a gold emblem in swine showmanship at the FFA National Convention in Kansas City. Jay has also participated in the State FFA band. He is a member of the Refton Brethren in Christ Church and youth group. His future plans are working at home on his father's farm.

Jay McMichael

CHRIS RIGGS
Penn Manor High School

Chris Riggs, is the 18 year old of Mr. and Mrs. John Riggs of R. D. 1, Pequea.

Chris is completing his fourth year of FFA in the Manor Chapter. He has a project steer and work experience at Circle M Ranch.

He has served on various committees including the poster committee, yearbook, gymnite, and parliamentary procedure.

Chris Riggs

He has served as assistant chaplain and chaplain of the Manor FFA chapter. Chris received the Greenhand, Chapter and now the Keystone Degree.

He received a silver emblem in the State Record Book Contest, and a medal for Outdoor Recreation as a Foundation Award.

His future plans are to own a farm. His hobbies include sports, racing and writing.

Jeff Risser

JEFF RISSER
Penn Manor High School

Jeff Risser, 17, son of Mr. and Mrs. Samuel Risser of R 2, Lancaster is a recipient of the Keystone Degree. As a senior at Penn Manor High School, he has completed four years in the Manor FFA chapter.

Some of his projects have been raising hogs, and working on Paul Keagy's Truck farm.

Jeff was participated in the calendar, banquet, pumpkin and the window exhibit commitees.

In his freshman year he was Chapter reporter, in his junior year he was corresponding secretary, and is presently parliamentarian.

Jeff has received the

(Turn to Page D4)

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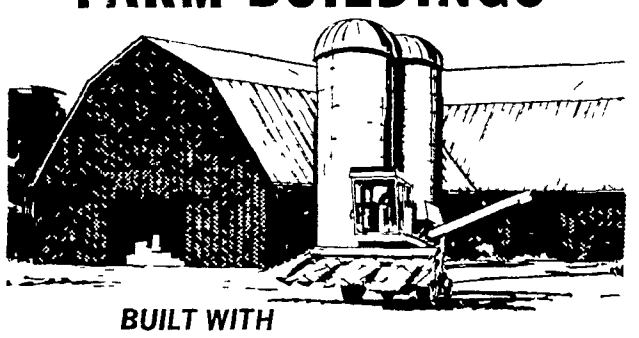

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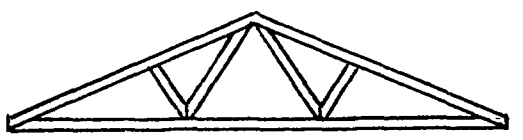

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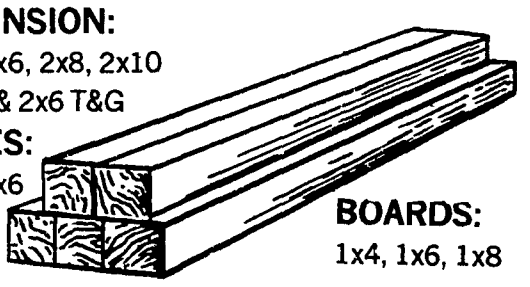

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(Continued from Page D3)

Greenhand, Chapter, and Red Rose degrees.

The bronze award for livestock judging and crop production award are two honors he received in the past four years.

His future plans are to continue working on the farm.

Kay Shertzer

KAY SHERTZER
Penn Manor
High School

Kay L. Shertzer, 17, is the daughter of Mr. and Mrs. Melvin L. Shertzer, R1, Millersville.

Her numerous projects which she has raised during her four years as a member of the Manor FFA include tobacco, alfalfa, corn, show steers, Reg. Holsteins, veal calves, broilers and turkeys.

The offices she has held are historian and secretary. She is presently serving her chapter as Executive Vice President. She has been actively involved in committee work, and many FFA projects, such as orange sales and chicken catchings.

Over the past four years Kay has been awarded the Star Greenhand award and the Dairy Chain Calf along with earning the Greenhand, Chapter, Red Rose and Keystone degrees. She also competed in the Public Speaking Contest and advanced to competition.

She is currently treasurer of Penn Manor's FHA, is a member of the National Honor Society and is a member of the Manor Brethren in Christ Church.

Kay also holds the honor of being an alternate dairy princess of Lancaster County.

She recently attended the National FFA Convention in Kansas City, Mo.

She enjoys riding horse, nature walks, reading and outdoor winter activities.

After graduation she plans to work in some field of agriculture.

David Wiker

DAVID WIKER
Penn Manor
High School

David Wiker, 17, son of Mr. and Mrs. William L. Wiker, 2628 Chapel Road, Lancaster, PA, Manor Chapter FFA from Penn Manor High School, Millersville, PA. I'm in my fourth year of Agriculture. My FFA projects consisted of tobacco and pigs every year and a steer one year. Also I've been keeping records of hours working at Henry Barley's farm. Working with chickens 100,000 and 200 steers, 300 acres of corn, 25 acres of tobacco. Some committees I've been on is chicken catching, orange sales, pumpkin contest and banquet committees. I've been advisor one year and also junior club advisor. I have been committee chairman for several committees like pumpkin contest, stream-clean-up, and banquet program.

I have received the Greenhand degree in December 1976 and the Chapter Farmer in January 1977 and the Red Rose Farmer in January 1978.

Other activities include youth council member at church and youth group. I bowl in a league.

My future plans are to continue working on the farm. My hobbies are bowling, farming, and riding bike.

CHRISTINA G. BUCHER
Solanco High School

Christina G. Bucher, the 18 year old daughter of James and Ozella Bucher, R1 Quarryville has been nominated to receive the 1980 Keystone Degree.

Christina is currently serving as the Red Rose Chapter, the county chapter, secretary. She is also president of the Solanco FFA Chapter. In her junior year, Christina was the Chapter reporter.

She placed fifth in the National Land Judging Contest, and has participated in various other county contests.

Christina's FFA projects have included dairy calves, a dairy herd, and corn as a field crop.

Christina's FFA involvement has not ended with projects, and competitions. She attended the PAFC 1979 Summer Institute and was a delegate to the State FFA Convention.

In addition to these activities, Christina is a member of the National Honor Society, and the Pleasant Grove United Methodist Church.

She participates in the varisty softball team and writes for the Solanco newspaper, the Quill.

In 1981, Christina will attend college to study music - business. Her hobbies include playing the guitar and singing.

Christina G. Bucher

Gary Eberly

GARY EBERLY
Solanco Senior
High School

Gary Eberly has recently earned the Keystone Farmer Degree. He adds this degree to his Greenhand and Chapter Farmer Degrees. He also earned the Star Red Rose Farmer and Star Chapter Farmer honors.

Eighteen year old Gary is the son of Mr. and Mrs. Jay Eberly, of R.D. 1 Quarryville. He has been a member of the Solanco FFA for four years.

Gary's FFA projects included calves, corn and tobacco. He was elected to the office of vice-president this year, and served as chaplain last year.

Outside of FFA, Gary enjoys playing football and basketball for his school's teams. He also likes to swim and ride horses.

After graduation, the Keystone Farmer plans to work in the field of agriculture.

DAVID HOLZHAUER
Solanco Senior
High School

David Holzhauer, the 18 year old son of Robert and Eleanor Holzhauer, R1 Holtwood, has been nominated to receive the coveted FFA Keystone Degree.

Presently serving as the Solanco FFA Chapter vice-president, David has been a member of the Chapter for four years.

In his junior year he was the Chapter Sentinal.

David's major FFA project has included dairy heifers. He hopes to develop these heifers into a Holstein herd as a dairy farmer.

(Turn to Page D6)

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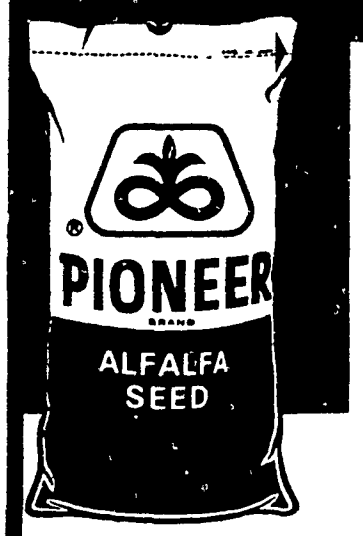

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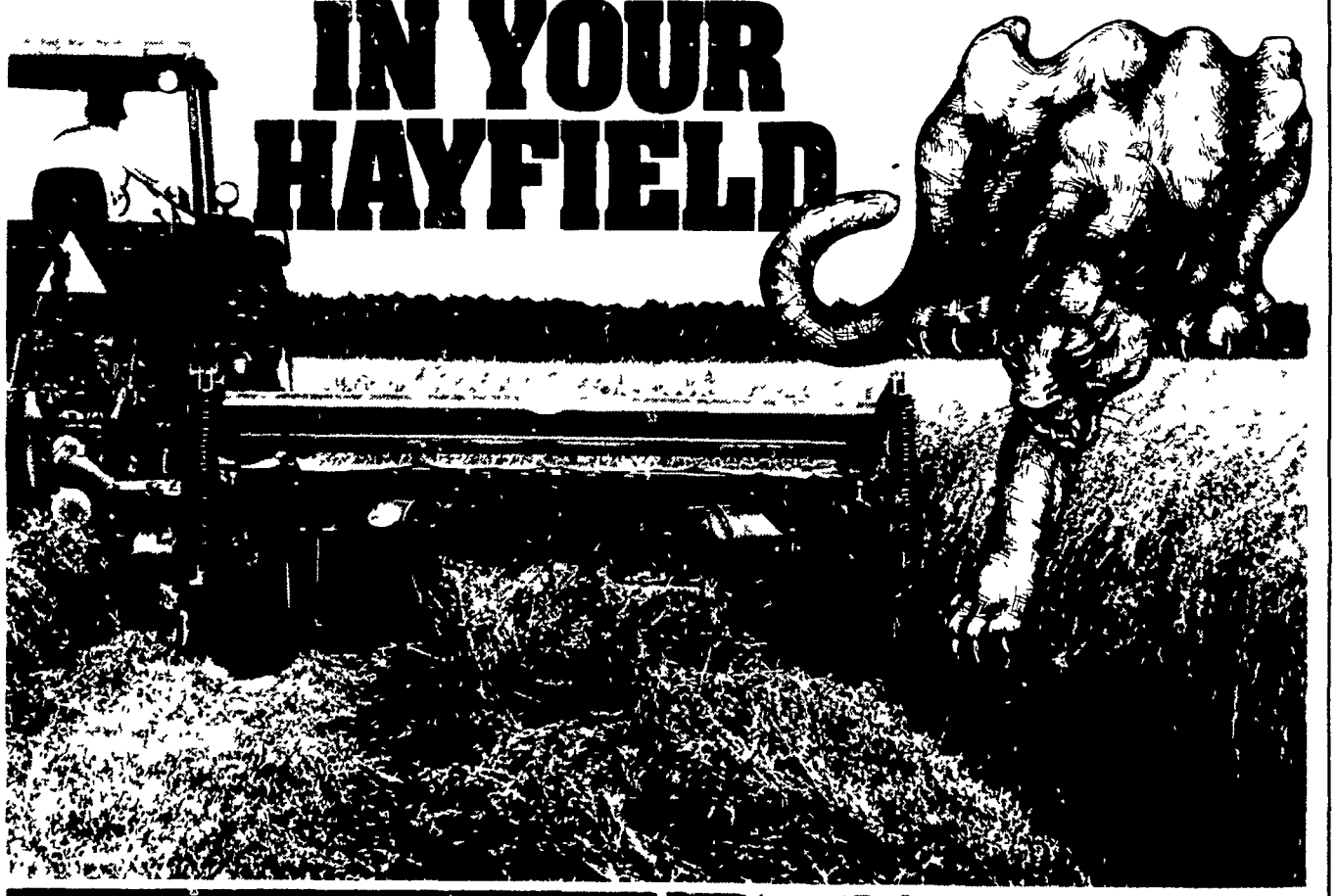

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CM 240

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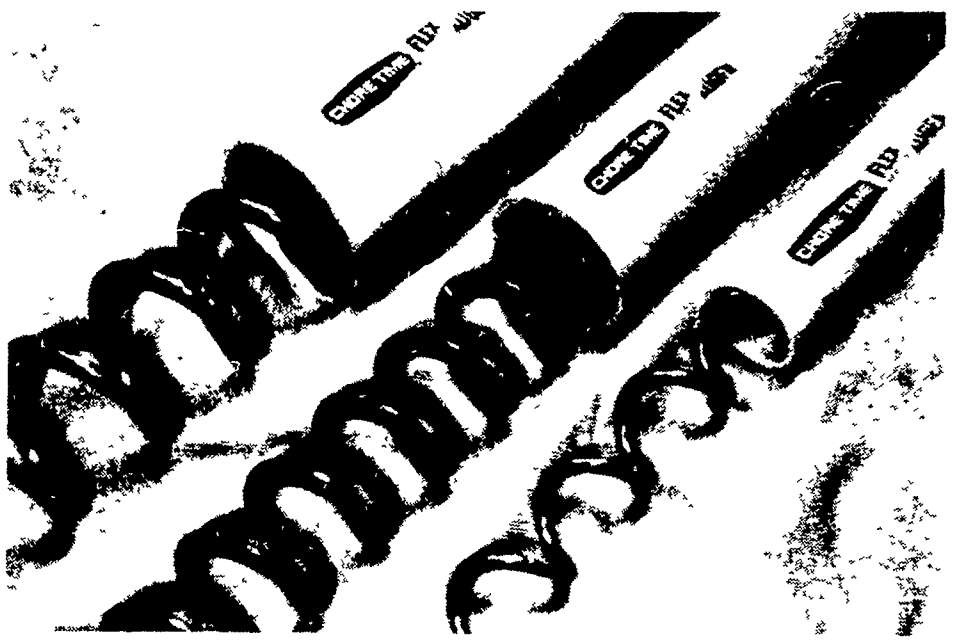

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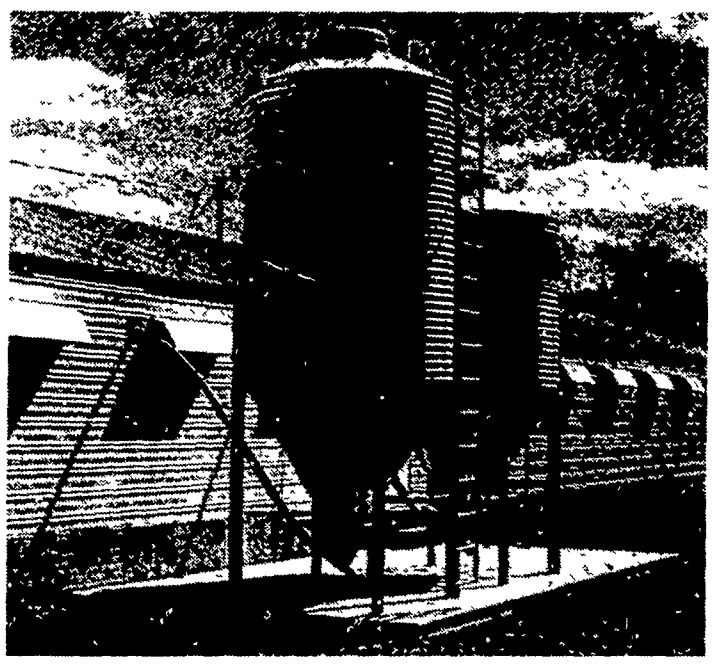

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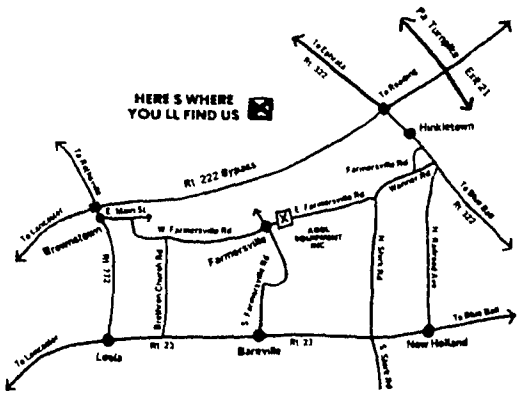

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(Continued from Page D4)

He has also had beef finishing, corn, and tobacco projects. David served on various FFA committees.

Prior to the Keystone Degree, David earned the Greenhand, Chapter Farmer, and Red Rose Degrees.

He has taken first place in

David Holzhauer

the County public speaking contest for the past two years.

David is a member of the Solanco National Honor Society and the Mechanics Grove Church of the Brethren where he serves as vice president of the youth group.

Kim A. Landis

KIM A. LANDIS
Solanco High School

The 17 year old daughter of Mr. and Mrs. Frank Landis, Kim A. Landis, will receive the Keystone Degree on January 9 at the State FFA Convention.

Kim's FFA projects have included capons, quail, turkeys and a home garden.

In addition to her projects, Kim has participated in various county judging contests. This Summer she was the fourth place individual at the State Dairy Foods judging competition held at Penn State.

As a member of the Solanco FFA Chapter, Kim has served the other members as secretary and vice-president of the Chapter.

Her extracurricular activities include school sports. She participates both in the hockey and girl's softball teams.

Kim would eventually like to pursue a career in agribusiness. She also hopes to live on a farm.

Kim received the Greenhand, Chapter and County Farmer Degrees prior to earning the Keystone Degree.

Adams County

BARRY L. KELLER
Bermudian Springs High School

Barry L. Keller of R2 East Berlin will receive the Keystone Farmer Degree during special activities at the State Farm Show, on January 9.

As the 17 year old son of Mr. and Mrs. J. Herskey Keller, Barry has conducted a swine finishing and breeding operation as his FFA project.

Barry is the current vice-president of the Bermudian FFA Chapter. In his four years of membership, he has earned the Star Greenhand, and Star Chapter Farmer awards. He has participated in livestock judging and entered both the county and state project book evaluation contests.

Barry's hobbies include playing baseball, hunting and trapping. He also enjoys any opportunity to work in the wood shop.

Barry L. Keller

His future plans include working on his father's farm and building a larger swine breeding operation.

STEPHEN H. BOYER
Bermudian Springs High School

The President of the Bermudian FFA Chapter, Stephen H. Boyer, has earned the Keystone Farmer Degree this year.

Stephen is the 17 year old son of Mr. and Mr. Lloyd M. Boyer, R2 East Berlin.

His FFA projects have included swine fattening and breeding. In the past, Stephen has exhibited hogs at the State Farm Show. He has also farmed four acres of corn as a project.

Stephen H. Boyer

In his four years of FFA membership, Stephen has earned the Greenhand, Chapter and County Degrees. He has also taken second place honors in the county dairy judging contest.

In addition to FFA, his extracurricular activities have included football, basketball, and baseball.

Stephen attends Trinity Lutheran Church.

After graduation, Stephen hopes to get more involved in farming.

JAMES L. RINKER
Bermudian Springs High School

James L. Rinker, the 18 year old son of Mr. and Mrs. Jacob E. Rinker, is among the five Bermudian High School FFA members to receive the Keystone Farmer Degree.

James is this year's Adams County FFA treasurer. He has participated on numerous committes and the Bermudian Chapter's parliamentary procedure team.

Holstein dairy breeding and production, Yorkshi

James L. Rinker

(Turn to Page D7)

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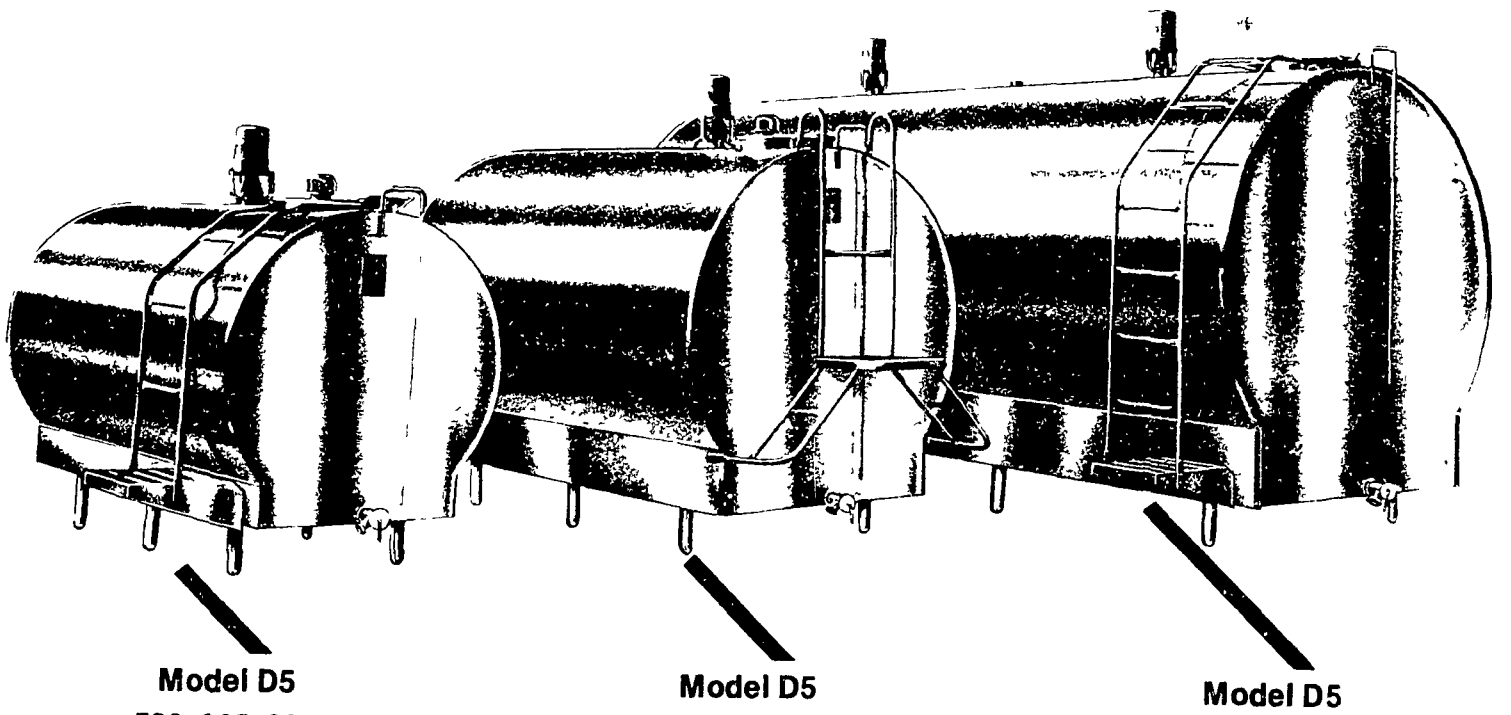

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(Continued from Page D6)

swine breeding and corn have been among his FFA projects in the past four years.

James has also shown dairy animals at the local fair and regional junior dairy show, and earned the Dairy Production Award.

He won a gold medal in the State Project Book evaluation contest.

His hobbies include hunting, trapping, motorcycling, and snowmobiling.

James would like to continue his FFA projects after graduation; working both in dairy and swine breeding operations.

DENNIS D. KNACKSTEDT
Bermudian Springs High School

Dennis D. Knackstedt is presently serving as the Adams County FFA Secretary.

Dennis Knackstedt

As a four year member of the Bermudian FFA Chapter, Dennis has participated on the parliamentary procedure team and the window exhibit committee.

In the past two years he has taken a bronze and gold award in the state project book competition. He has also earned the local crop proficiency award this year.

As the 17 year old son of Mr. and Mrs Fred Knackstedt, R1 Gardners, Dennis's FFA projects have included field crops and swine finishing. He also has one dairy heifer.

In the future, Dennis hopes to build a farrow to finish hog operation. In the Winter months, Dennis would like to work as a welder.

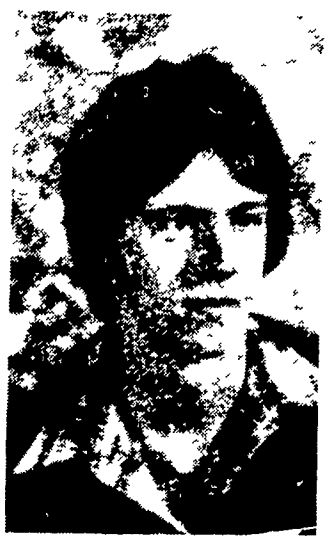
Hunting, trapping, motorcycling, and claybird shoots are among his hobbies.

GREGORY A. RILEY
Bermudian Springs High School

Gregory A. Riley, the 18 year old son of Harold and Donna Riley, R1 Gardners, has been selected to receive the Keystone Farmer Degree during the Pennsylvania State Farm Show.

As a senior at Bermudian Springs High School, Greg has been a member of the Bermudian FFA Chapter for the past four years.

His FFA achivements include the Greenhand, Chapter and Safety degrees.



Gregory A. Riley

Greg has been working at Zeigler Bros. Feed Mill in Gardners as a part of his FFA project. He has also participated on the window exhibit committee. Greg entered the Adams County Project Book Evaluation Contest.

In his spare time Greg enjoys riding his motorcycle and snowmobile.

MICHAEL REX
Biglerville High School

Michael Rex is the 17 year old son of Keith and Margurita Rex of R1 Aspers. As a senior at Biglerville High School and a member of the Apple City FFA Chapter, Michael will receive the coveted Keystone Degree on January 9.

Michael's FFA projects have included six acres of corn, one acre of sweet corn and snap beans.

As a Chapter member, he has praticipated on the program of work committee

A highlight of his FFA membership, was receiving the Agriculture Mechanics Award from the FFA Foundation. He was named Star Greenhand in 1978 and earned the Chapter Degree

Michael Rex

Michael's post graduation plans include working on a farm or in a small gas engine repair shop.

His hobbies including hunting and fishing

GARY A. NAYLOR
Biglerville
High School

Gary A. Naylor, president of the Apple City FFA Chapter has been nominated to receive the coveted Keystone Degree.

As a senior at Biglerville High School, Gary is the son of Mr. and Mrs. Harry A. Naylor, Sr. of R2 Biglerville.

His FFA project has been a supervised occupational experience program.

In November, Gary attended the FFA National Convention in Kansas City.

He has been a member of the BOAC, seed sales, citrus sales, recreation, and local banquet committees

In addition to earning the Keystone Degree, Gary earned the Star Greenhand degree. He also received the Chapter's Agribusiness Award and he earned a bronze medal in the state project book contest.

Gary A. Naylor

His extracurricular activities include playing on the Biglerville High School baseball team. He also bowls on a winter league.

Gary is considering attending a two year trade school, to specialize in soil conservation.

LEEROY H. BEERS
Biglerville High School

Leeroy Beers is currently serving as the Adams County FFA Association's chaplain. Leeroy will receive his Keystone Degree on January 9 during the Winter FFA Convention awards assembly.

A highlight of his FFA career has been the opportunity to attend the National Convention in Kansas City for two consecutive years.

Leeroy has also attended the Adams and York County leadership training conferences.

He has participated in the County dairy judging contest and has served on a variety of committees.

His experiences has included working on the recreation, program of

Leeroy H. Beers

(Turn to Page D8)

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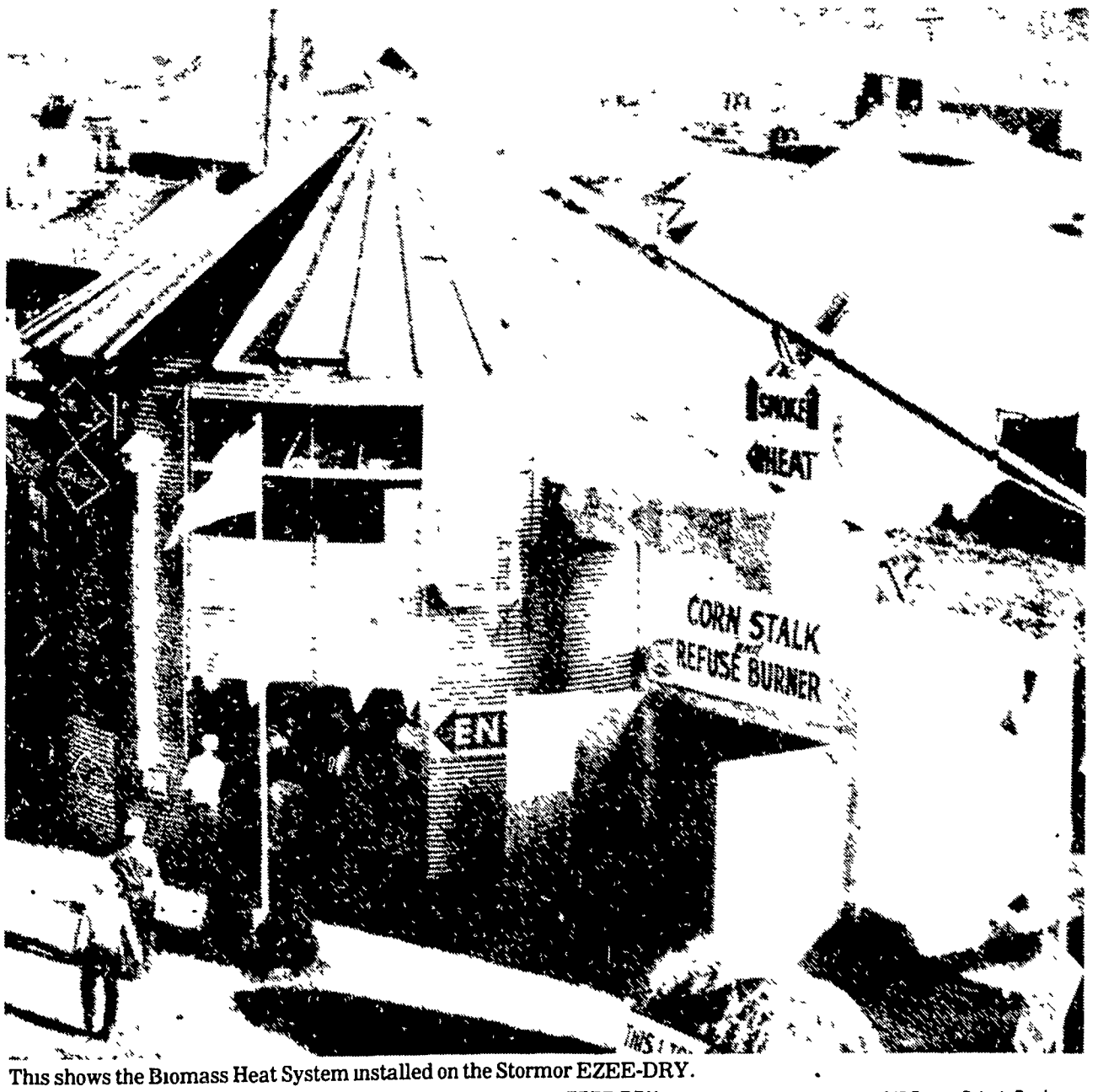
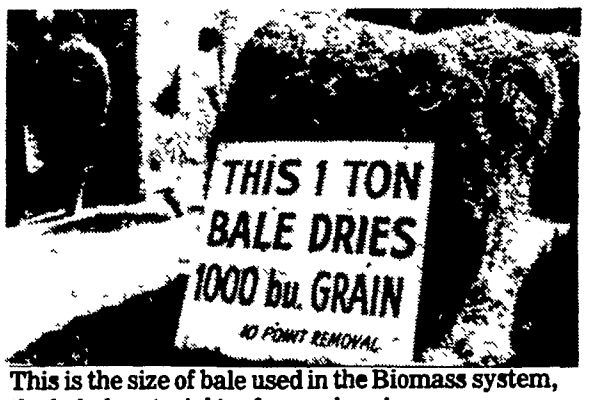
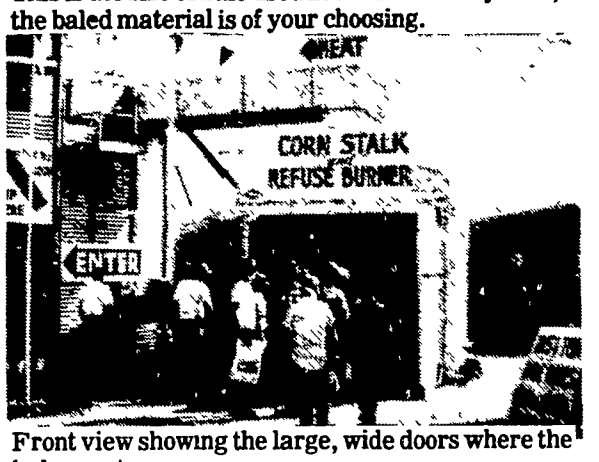


This shows the Biomass Heat System installed on the Stormor EZEE-DRY.



This is the size of bale used in the Biomass system, the baled material is of your choosing.



Front view showing the large, wide doors where the bale is put in.

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(Continued from Page D7)

work, earning and savings, budget, citrus sales, seed sales, and the BOAC committees.

Prior to earning the Keystone Degree, Leeroy received the Greenhand and County Degrees.

After high school, Leeroy plans to attend truck driving school. He is the son of LeRoy and Bonne Beers of R2 Gardners.

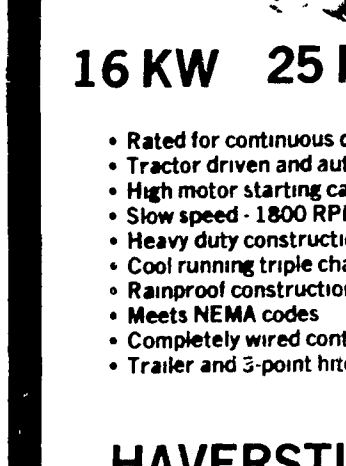
DAVID DONALDSON
Fairfield Area
School District

As the 17 year old son of Guy and Betty Donaldson, David is looking towards an eventual partnership in his father's Gettysburg fruit farm.

David is a senior in the Fairfield Area School District. As a four year member of the Mason Dixon FFA Chapter, David has served as the chapter's treasurer, vice president and president for the past two years. He is presently Adams County's FFA president.

In addition to his leadership positions, David participated on the parliamentary procedure team, placed first in the county mechanics contest, earned an honorable mention in the State Agronomy contest and attended the National FFA Convention.

David's project work has included swine fattening and the on farm occupational experience project.



David Donaldson

He is a member of the high school's soccer team and the Orrtanna United Methodist Church. He attended the area America - Institute of Cooperatives Workshop.

In his spare time, David enjoys hunting and repairing antiques.

PHILIP TOPPER
Gettysburg Senior
High School

Philip Topper has expanded his beef finishing operation from one steer to 20 steers within one year.

This is quite an accomplishment for the 17 year old son of Mr. and Mrs. Bernard Topper, of R3 Gettysburg.

Philip is a member of the Battlefield FFA Chapter. In addition to his steers, Philip has grown 24 acres of field corn, 16 acres of wheat and has had a 3000 square foot garden.

Philip Topper

During the 1978 State FFA Activities Week, Philip took a fifth place in the agronomy contest. This year he earned a bronze medal in the same contest.

In his junior year, Philip earned a gold medal for his outstanding beef finishing project. He also took a silver medal in the state project book contest.

Philip is the chairman of the recreation committee. Last year, he served as the FFA Chapter chaplain.

Philip would like to take over the family farm, with the help of his family.

ALAN WAYBRIGHT
Gettysburg Senior
High School

Alan Waybright, the Battlefield FFA Chapter secretary, will receive his Keystone Degree during special ceremonies at the Winter FFA Convention.

Alan is the 18 year old son of Mr. and Mrs. Richard Waybright of R2 Gettysburg.

In his four years as an FFA member, Alan has been a student council representative and is the Adams County FFA Chaplain. He has served as chairman of the cooperation committee, scholarship committee, football stand committee and the experience committee.

Alan has had a variety of FFA projects, ranging from steers, to dairy heifers and cows. He has also produced 10 acres of corn, barley, and wheat.

Recently, Alan was a member of the All-American Dairy Show judging team.

In addition to his FFA activities, Alan is a varsity

Alan Waybright

wrestler, a member of the Varsity Club, Fellowship of Christian Athletes, and the Student Council. He played in the high school band for three years.

Alan's post graduation plans include farming

PHILLIP KELLER
Gettysburg Senior
High School

Phillip Keller plans to stay in farming. He will work with his father, Carl Keller, and his two older brothers on their 2,000 acre operation in R3 Gettysburg.

Phillip has been a member of the Battlefield FFA Chapter for the past four years. His projects have included wheat, corn, milo and soybeans. He is also working under the supervised occupational project.

This year, Phillip is the Chapter's treasurer In his junior year he served as the sentinal.

He has taken honors in [illegible] State FFA Project Book

Phillip Keller

(Turn to Page D10)

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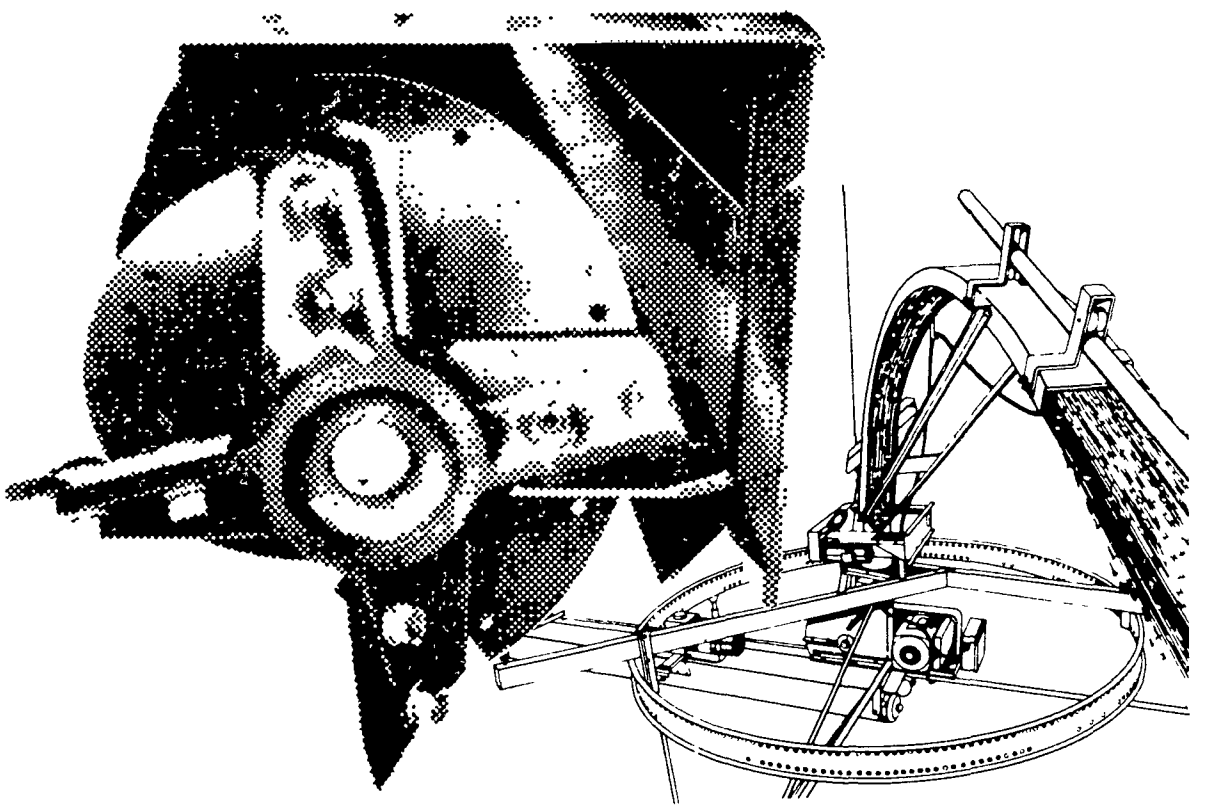

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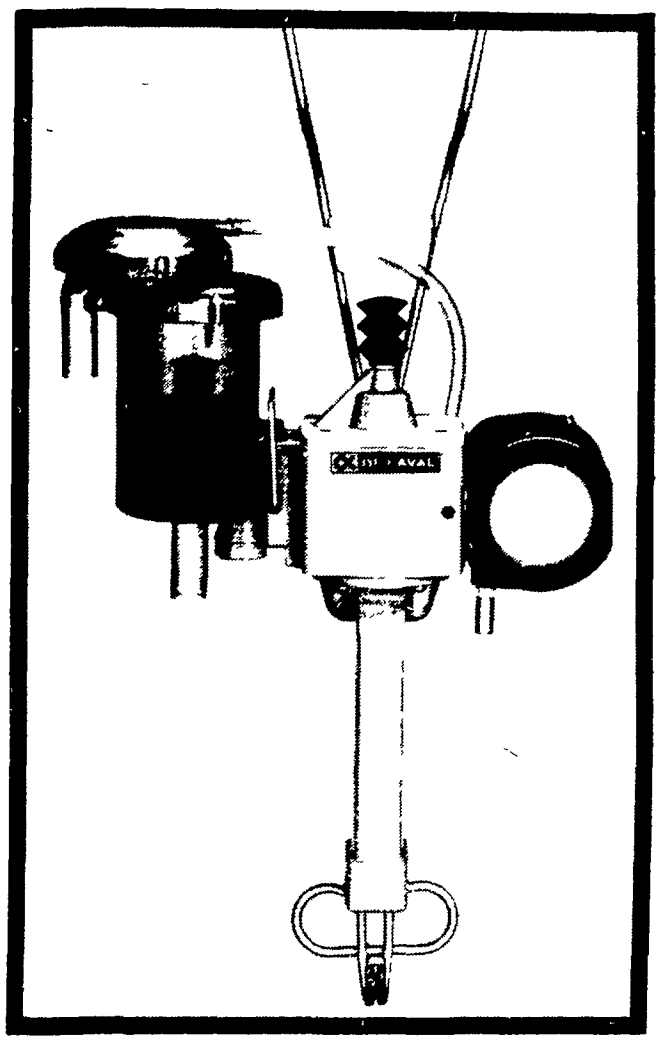

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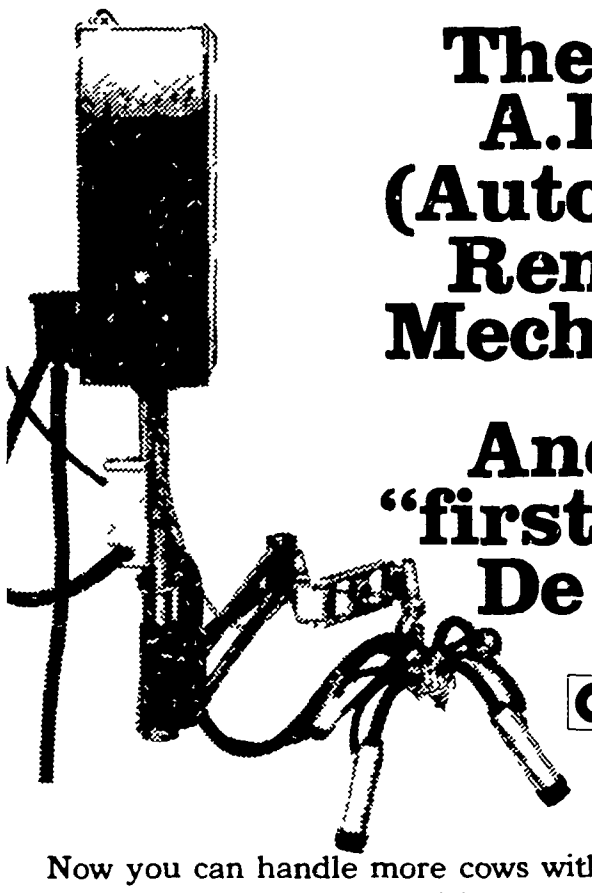

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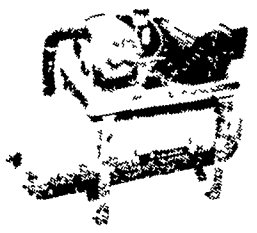

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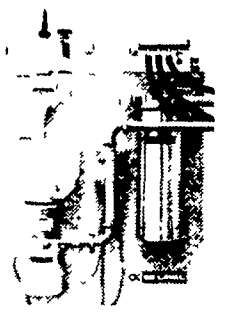

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(Continued from Page D6)

contest and ag mechanic contest.

Phillip is a member of the second place county and third place regional parliamentary procedure team.

The citrus, vegetable seed, BOAC, recreation, leadership, and banquet are a few of the committees on which Phillip has served. Presently, Phillip is the chairman of the Earning, Saving, and Investment committee.

STEPHEN P. ROBINSON
Gettysburg Senior High School

Stephen Robinson is the 17 year old son of Paul and Betty Robinson of R2 Biglerville.

As a four year member of the Battlefield FFA Club, Stephen has earned the Greenhand, Chapter, County and now the Keystone Degree.

His primary FFA project has been the finishing of two steers. He raises five acres of field corn and two acres of sweet corn. This year he also produced 50 acres of hay and 10 acres of apples.

Stephen has been active on the vegetable seed, fruit sales, scholarship and BOAC committees.

For two years, he placed first in the county forestry contest. In his junior year, he took third place honors in the county small gasoline engine contest.

Stephen has also participated in land and livestock judging competitions

Eventually, Stephen hopes to own his own farm. Until that time, he will continue working on the farm

Stephen P. Robinson

JOHN CLOWNEY
Gettysburg Senior High School

John Clowney has increased his dairy herd from one dairy heifer to four dairy heifers and four cows within three years.

These dairy projects have been a part of his FFA program as a member of the Battlefield FFA Club.

John is the 17 year old son of Mr. and Mrs Thomas Clowney of R9 Gettysburg

This year John also has eight acres of alfalfa, haylage, and 25 acres of corn silage to support his dairy project.

John will receive the State's Keystone Degree on January 9. Previously, he earned the Greenhand, Chapter, and Adams County Farmer degrees.

In the past two years, John has been the Battlefield's Chapter chaplain and sentinal. He has served on the banquet and citrus fruit committees.

After graduation, John would like to attend trade school and become a mechanic. He will continue to work on his father's farm.

John Clowney

DAVID KELLER
Gettysburg Senior High School

David Keller is the son of Mr. and Mrs. Leo Keller of R4 Gettysburg As a member of the Battlefield FFA Chapter, David a variety of projects Every year he has finished one steer, and had planted Winter wheat, mixed hay, corn and oats.

In addition to the Keystone Degree, David has earned the Star Greenhand and Adams County Apple Degree He is the FFA's Chapter representatives to the Gettysburg student council.

He has also served on the BOAC committee, clean-up committee, restoration committee and cooperation committee.

This year David is participating in the Supervised Agricultural Experience Committee.

His hobbies include motorcycling and horseback riding.

In the future, David plans to continue working on his father's dairy and swine farm.

David Keller

Berks County

ERNEST GELSINGER
Conrad Weiser High School

Ernest Gelsinger, a Conrad Weiser High School senior, will receive the Keystone Degree during special ceremonies at the Winter FFA Convention in Harrisburg.

Ernest is the only Conrad Weiser FFA member to receive the Degree this year.

Ernest is the vice-president of the school's FFA Chapter and is reporter of the County Chapter. Last year, Ernest was elected the Chapter president and served as the County chaplain.

Not only has Ernest held local and county offices, he has been involved in numerous committees.

He was chairman of the cooperation, seed and bulb sales, conduct of meetings, scholarship, and recreations committees. The supervised agricultural occupational experience committee, the earnings, savings, and investments committee, and public relations are some of the additional committees on which Ernest has served

A highlight of his FFA involvement was his second place finish in the State Land Judging Contest at Penn State He is looking forward to travelling to Oklahoma for the national contest in May.

Ernest Gelsinger

Ernest is the son of Mr and Mrs. Lester W Gelsinger of R1 Robesonia

After graduation, he plans to continue working on his father's farm.

(Turn to Page D12)

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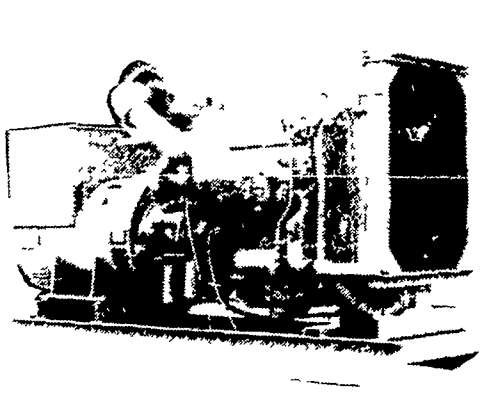

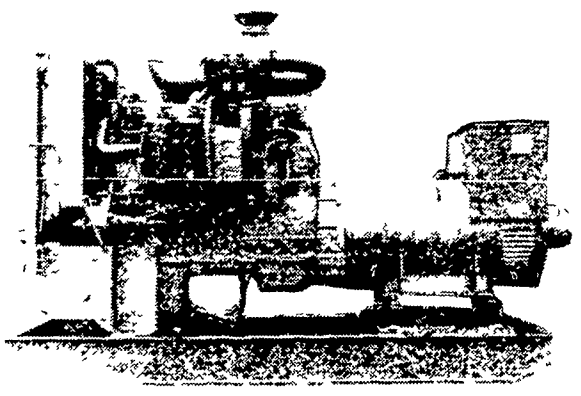

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New sheep-to-shawl contest to be held at Farm Show

HARRISBURG — Have you ever seen a shawl made from start...from the back of a sheep, to finish...from the loom of a weaver? Or have you ever had the opportunity to bid on a shawl after watching it be made?

The Northeast Regional Sheep to Shawl Contest, one of the new and exciting events planned for the 64th annual Pennsylvania State Farm Show, will give you that chance. The contest is scheduled for 4:30 p.m. on Wednesday, January 9 in the small arena of the Farm Show Building.

Over $600 in premiums, a travelling trophy and plaques will be awarded at the contest, which will feature more than ten of the top teams in the Northeast.

Each team will have five members. During the contest, each team's sheep is shorn, and its wool is taken to three spinners who turn the freshly shorn wool into yarn. Then comes the final process...making the shawl.

A weaver takes the newly spun wool and weaves a shawl of the weaver's design on a hand loom. The shuttle flies back and forth until a five foot long shawl is completed.

The finished shawls will be auctioned off to the crowd after judging is completed.

Judging is based on a variety of factors, including 35 points for speed and 25 points for the design of the shawl. Other considerations worth a total of 40 points are spinning, weaving, quality of shearing and team identification.

The contest features stiff competition.

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(Continued from Page D10)

DEAN BRUNO
Kutztown Area
High School

Dean Bruno has been selected to receive the 1980 FFA Keystone Degree. He is the son of Mr. and Mrs. John Bruno, E. Main Street, Kutztown.

As a member of the Kutztown FFA Chapter, Dean is the junior advisor. In past years he was the assistant reporter and Chapter reporter.

Recently, Dean received the Poultry Proficiency Award for his outstanding effort with his broiler project.

Dean also has beef finishing, swine fattening and field corn projects.

Dean Bruno

Prior to the Keystone Degree, Dean received the Greenhand, Chapter and Berks County Degrees.

In 1979, Dean placed first in the county small engines contest. Later, he took sixth place honors in the area competition.

His field corn has been exhibited at the Kutztown and Allentown Fairs. He has also shown swine at the Kutztown Fair and Leesport roundup.

Dean is looking forward to eventually purchasing his own farm.

He is a member of the Pennsylvania Young Farmers' Association.

TERRY L. KLEINSMITH
Kutztown Area High School

Terry L. Kleinsmith of R2 Kempton has been a member of the Kutztown FFA Chapter for five years. This week he will receive the coveted Keystone Degree.

Terry L. Kleinsmith

During his membership, Terry was chairman of the chain animal, pumpkin contest, and sandwich sale committees He has served on a variety of other committees including Food for America, float, poultry, greenhouse, and project tour committees

As a two year member of the parliamentary procedure team, Terry contributed to the team's first place county finish. The team placed sixth in the area competition. Last year, the team took second place honors at the county contest and placed fourth in the area competition

In 1977, Terry was the Kutztown Chapter sentinal

Terry is a member of the New Bethel UCC Church, the Kempton Gun Club and the National Grange Association

He is the 18 year old son of Mr. and Mrs. Oscar Kleinsmith.

Michael Heiter

MICHAEL HEITER
Kutztown Area
High School

Michael Heiter, the 16 year old son of Russell and Carole Heiter, R1 Lenhartsville, was nominated to receive the Keystone Degree.

Prior to earning the Keystone Degree, Michael earned the Greenhand, Chapter Farmer, and County Farmer degrees.

He has been the junior advisor and assistant secretary in the Kutztown FFA Chapter.

His FFA projects have included fattening hogs, veal calves, dairy calves, hay, corn, oats, and gardening.

He has participated on the banquet, citrus sale, float, greenhouse and poultry committees.

Michael's extracurricular activities include attending the Mt. Zion Lutheran Church.

Hunting, fishing and trapping animals are among his hobbies

Larry A. Shrawder

LARRY A. SHRAWDER
Kutztown Area
High School

The 1977-78 Berks County FFA president, Larry Shrawder of R2 Kempton, has earned the State's Keystone Degree

In 1977, Larry demonstrated his outstanding ability as a livestock judge, earning a 21st place finish in the national competition For his efforts, he received a gold medal The Pennsylvania team placed 14th, bringing home a silver medal.

This past year, Larry testified before the United States House Committee on alcohol as a motor fuel

He has taken first place honors in the following contests — County project book, interview, land judging, and extemporanous public speaking

His outstanding honors include the County Conservation Award, the Dekalb Award, the Chapter Leadership Award, Star Greenhand, and Chapter Farmer Degrees and a variety of proficiency awards.

Larry's FFA projects include soybeans, barley, hay, wheat, and swine. He has exhibited swine, both Landrace and Duroc breeds at the County Roundups

In addition to his involvement with FFA, Larry is the president of the Berks County 4-H Club He is the captain of the Kutztown cross country team, and participates on the track and rifle teams.

He is president of the Kutztown Student Council and has a leading role in the Senior Class Play

Larry is a junior member of the National Landrace Association.

His post graduate plans include farming and further education in an agricultural related field.

Larry is the 18 year old son of Mr. and Mrs. F. Lee Shrawder.

David E. Riegel

DAVID E. RIEGEL
Kutztown Area
High School

David E. Riegel is the 18 year old son of Mr. and Mrs Ernest Riegel, R1 Kempton.

As a member of the Kutztown Area FFA Chapter, David has demonstrated outstanding character and leadership to earn the State FFA Keystone Degree

David's FFA projects have included corn, wheat and soybeans.

In addition to the projects, David was chairman of the parliamentary procedure committee. This year's team placed first in County competition and sixth in the area contest.

He was also chairman of the greenhouse, refreshments, and chip sales committees, and participated in the BOAC committee and a variety of other committees.

In 1976, David earned the Greenhand Degree. A year later he received the Chapter Farmer Degree.

David has been a member of the Boy Scouts and a rifle team. After graduating from high school, David is planning to farm.

LEWIS KOHL
Twin Valley High School

Lewis Kohl is currently serving as second vice-president of the Twin Valley Chapter and as treasurer of the Berks County FFA

Lewis has been a most active and involved chapter member during his FFA membership He has served as chairman of the chapter pumpkin contest committee, Food For American committee, Christmas tree recycling committee, scholarship committee, and the supervised farming program committee

He has been responsible for the construction and display of Chapter window displays Lewis has planned the county volleyball and basketball tournaments hosted by Twin Valley

In Chapter fund raising he has been a leading salesman

Lewis Kohl

Lewis served as a member of the chapter parlimentary procedure team for two years. Lewis entered winning project books in both the county and state contests

He has represented the Chapter in the county land judging contest and has participated in the state contest Lewis has won several awards in dairy judging, having participated in contests at the Kutztown and Allentown Fairs, the All-American Junior Dairy Judging Contest, and the State FFA contests

In 1979 Lewis represented the county as an official delegate at FFA Week at Penn State

He was a pitcher for the area softball team which placed second in the state Lewis participated in the Dutch Country Cooperative Council One Day Institute for two years

He is a member of the Twin Valley student council, and has participated on school track and bowling teams, as well as the community swimming team

Lewis has rabbits as a project, and has been employed at the Joanna Store for three years

Lewis Kohl enlisted in the Army, and will begin basic training following graduation He is the son of Mr and Mrs Lewis Kohl, R1 Elverson

HOWARD E. GRIEST, III
Twin Valley High School

Howard Griest, III is one of three Twin Valley FFA members to earn this year's Keystone Degree

Howard is the 17 year old son of Mr and Mr s Howard Griest, of R1 Honey Brook

He is currently serving as president of both the Twin Valley Chapter and the Berks County FFA Association. He served as chapter president last year and as vice-president of the county association He has participated in such diverse chapter committees as Food for America, pumpkin contest committee, chapter banquet, citrus sale, and the raffle committee

As a ninth grader Howard participated in the Berks county Greenhand Quiz Contest placing second He also placed third in the county Public Speaking Contest and was a member of the chapter parliamentary procedure team which placed second in the county

Fellow FFA members selected Howard as Chapter

(Turn to Page D14)

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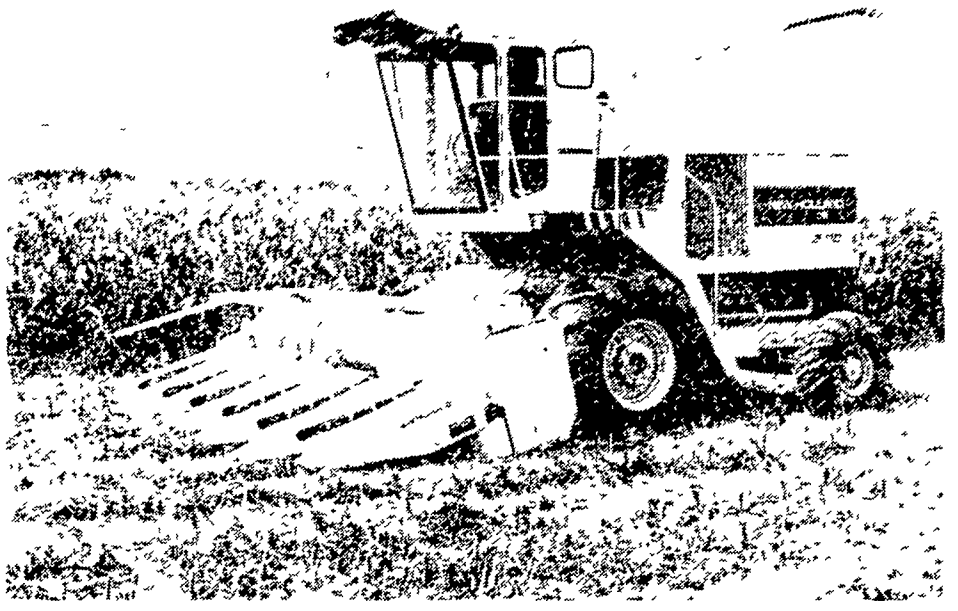

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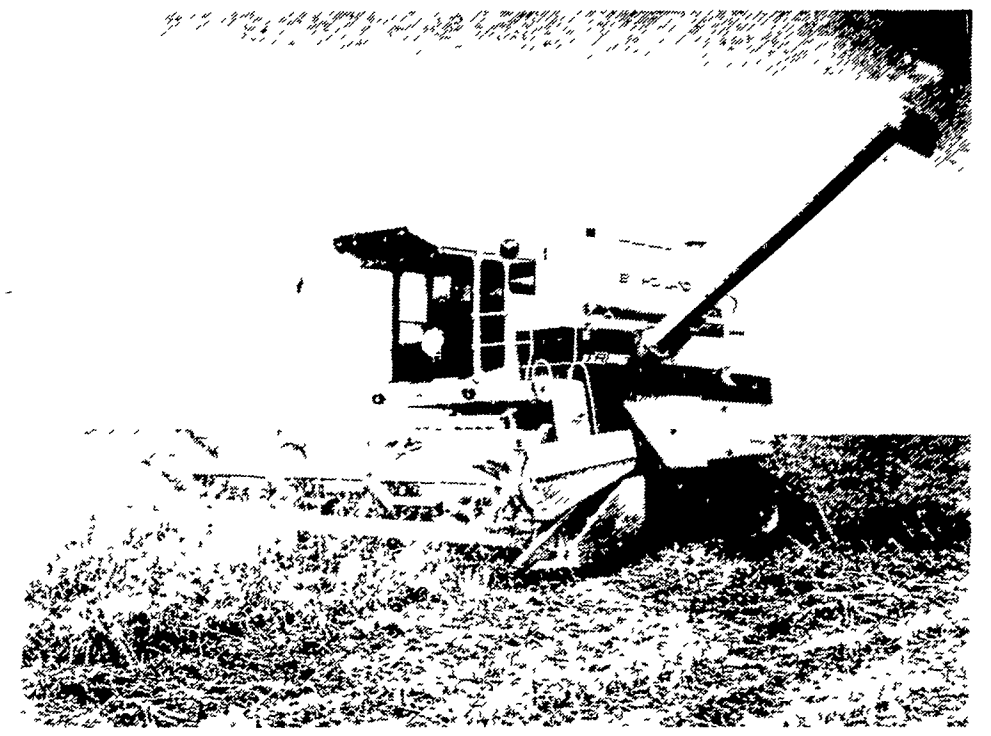

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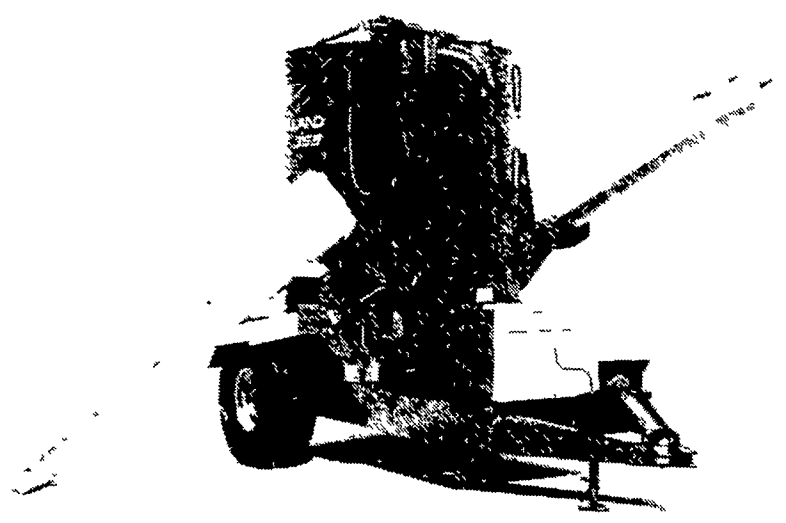

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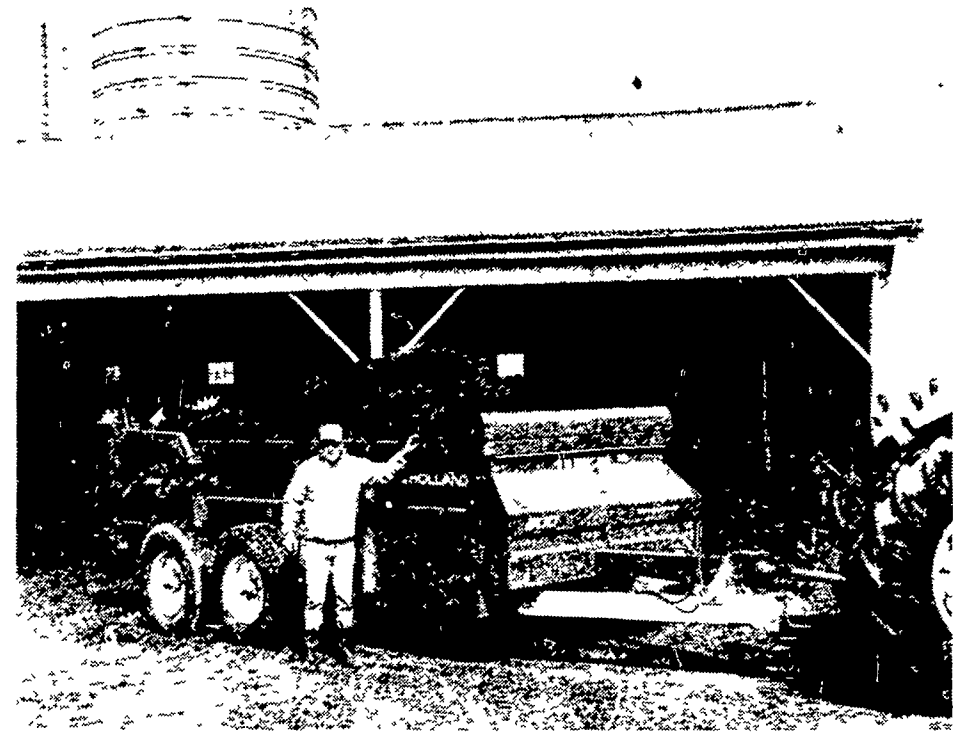

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SPERRY NEW HOLLAND

(Continued from Page D12)

Star Greenhand. During the Summer before his sophmore year Howard participated in the county tractor driving contest placing third, and was fifth in the county dairy judging contest.

Howard E. Griest, III

As a sophomore Howard's field corn yield earned fifth place in the Berks County Corn Contest. He placed first in his division of the project book contest. In the area small engines contest, Howard captured first place as an individual with the Twin Valley team capturing first place and earning the right to participate in the state contest, where he placed third in individual competition.

He won the county tractor driving contest, placed second in dairy judging and third in livestock judging in competition at the Kutztown Fair.

In his junior year, Howard won the county agronomy contest, and placed second in the state salesmanship contest.

He was elected as a member of National Honor Society and was reelected to the office of Chapter President and was chosen as Berks County President.

Howard's projects have been almost as diverse as his participation in chapter and state activities. He has had projects in dairy goats, field corn, dairy heifers, beef heifers, hay, steers, as well as doing custom work. After graduation Howard plans to continue expanding his farming operation on his parent's farm.

THOMAS KIRK
Twin Valley High School

Thomas Kirk, the 17 year old son of Mr. and Mrs Robert Kirk, will be honored in receiving the Keystone FFA Degree. The Kirks reside on a farm in R1 Honey Brook

Tom Kirk is currently employed by his parents' farming operation - Tobi Hill Farm, where he is in charge of field operations and care of fattening beef animals

He is also learning meat cutting skills in that phase of the family operation.

Thomas Kirk

Tom has participated in the state meats contest, as well as county contests in dairy and livestock judging, tractor driving, field corn yields and project books

He served as Chaplain of the Twin Valley Chapter during his sophomore year He served as chairman of the corn test plot and raffle committee.

Tom is a member of the Twin Valley High School marching band and state band.

He is also a member of National Honor Society.

Tom's projects have revolved around the family farming operation — field corn, beef fattening, and cooperative work experience. Tom plans to expand his role in the family operation following graduation in June

Bucks County

VERNON LEE FREED
Pennridge High School

Another member of the Upper Bucks Tech FFA Chapter has earned the Keystone Farmer Degree. Vernon Freed, son of Mr. and Mrs. Norman Freed of R.D. 2 Perkasie, has added another award to his Greenhand and Chapter Farmer Degrees.

Freed served as chapter reporter in 1978-79. He was also an active member of the market hog citrus, poultry, butchering, recreation, and seedling sale committees

He has received many awards for his farm product projects at area fairs. He placed at the Pa. Farm Show in the swine show, and has been recognized for his hog showmanship ability.

Vernon Lee Freed

Freed's FFA projects included raising market hogs, Hereford cattle and field crops He was also involved in FFA's Parliamentary Procedures and Public Speaking teams.

In the future, Vernon plans to work in an agriculture field, while helping on his father's farm.

EARL GEISSINGER
Quakertown Area High School

One of this year's Keystone Farmers is Earl Geissinger, of R.D. 2 Quakertown. The 17 year old is a three year member of the Upper Bucks Tech FFA Chapter.

Geissinger is the son of Mr. and Mrs Isic Geissinger He helps his parents' with their 200 head dairy farm and keeps many projects of his own on the farm. Earl hopes to continue helping on the family farm after graduation.

Earl has kept very extensive projects while a member of FFA. Since he joined the club, he has kept 2000 capons and has raised about 50 veal calves each year. He has been a member of the poultry, swine, citrus, recreation, and seedling sale committees.

Earl has held the office of chapter vice-president in 1978-79 and will be holding that office through the coming year. He earned the Greenhand and Chapter Farmer Degrees and now the Keystone Farmer Earl is following in the footsteps

Earl Geissinger

(Turn to Page D15)

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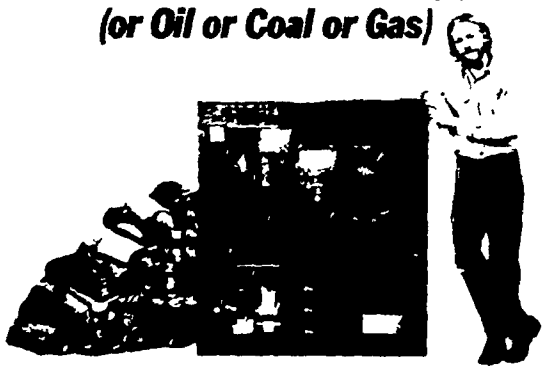

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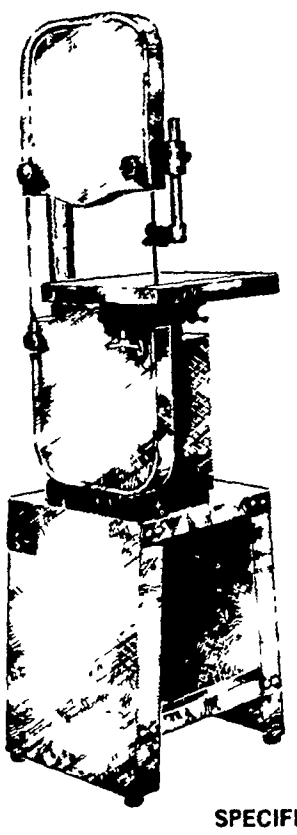

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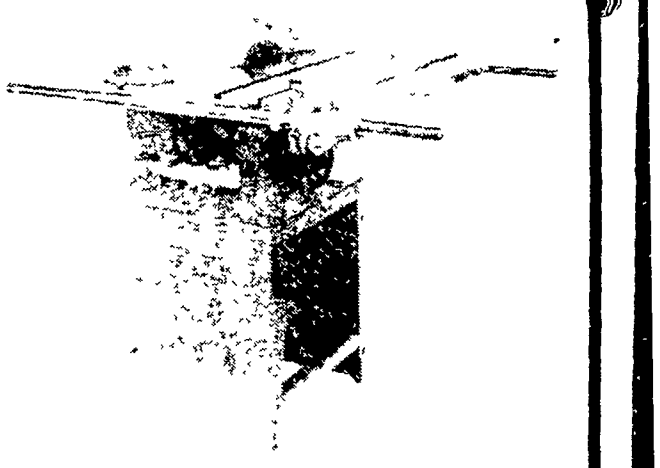
SPECIFICATIONS:

Stock Number	708514
Model Number	JBS-14
Cutting Capacity	6"
Saw Blade Min	1/8"
Max	¾"
Saw Blade Length	93½"
Table Size	14"x14"
Table Tilt	45° x R 10° x L
Dimensions (Overall)	65½" H 24½" W 19¼" D
Motor (1725 RPM)	¾ HP, Sgl Ph 115/230 V (Pre-wired 115 V)
Net Weight lbs (approx)	201
Shipping Weight lbs (approx)	208

INTRODUCTORY OFFER **$499**



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SPECIFICATIONS

Stock Number	708510
Model Number	JTS 10
Cutting Capacity	3 1/8"
Saw Blade Diameter	10"
Table Size	20"x20"
Overall Dimensions	34½" H 40" W 30"D
Recommended Motor	1½ HP
Net Weight (approx)	195
Shipping Weight (approx)	210

INTRODUCTORY OFFER **$419**

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(Continued from Page D14)

of three brothers who also received this award.

The Keystone Farmer is involved in Parliamentary Procedure and Soil Judging as an FFA member He also placed at the State small engine contest.

HAROLD J. BENNER
Quakertown Area High School

Harold Benner of R D. 1 Quakertown has been nominated to receive the Keystone Farmer Degree Benner, 18, is a member of the Upper Bucks Tech FFA Chapter. He has been an FFA member for four years

Harold has earned the Greenhand and Chapter Farmer Degrees prior to the Keystone Farmer. He has received numerous awards for exhibiting farm products at local fairs. He has done well in showing Angus cattle at the Allentown and Middletown Fairs.

Benner's projects for FFA included capons, Angus cattle, and market hogs. He gained work experience both at his farm and at a lumber mill. He has served as a member of the citrus, poultry, swine, and butchering committees.

Harold has a special interest outside of the agriculture field. He is an

Harold J. Benner

active member of the Milford Township Ambulance Rescue Squad.

The Keystone Farmer plans to help out on his father's farm after he graduates. He hopes someday to own a farm.

Chester County

JEFFREY STOLTZFUS
Octorara High School

Jeffrey Stoltzfus, the 17 year old son of Harold and Hanna Stoltzfus, R1 Atglen, has earned the 1980 Keystone Degree.

In his three years of FFA membership, Jeffrey has been awarded the Greenhand, Chapter Farmer, and County Farmer Degrees.

Beef finishing has been a major project of Jeffrey's over the past three years. He has done an outstanding job resulting in his earning the beef proficiency award.

In the past, he also had rabbit production as a project.

This year, corn production and hog finishing projects have been added to his experiences.

Jeff presently serves as Chester County's vice president and the Octorara Chapter vice president. He has also served as treasurer and sentinal of the Octorara FFA.

Jeff is a member of the Octorara parlimentary procedure team, which has taken county, area, region and state honors. This year the team placed fourth at the state competition.

As a member of Octorara's cross-country and track teams, Jeff has earned varsity letters.

In the future, Jeff hopes to pursue an associate degree

Jeffrey Stoltzfus

in Agricultural Business at Penn State University.

ANDREW L. BLANK
Octorara High School

As the Chester County FFA president, Andrew L. Blank of R1 Parksburg is a recipient of the Keystone Degree.

Andy is the 17 year old son of Elam and Dorothy Blank, and has been involved in FFA for the past three years.

In addition to being County president, Andy has served as the Octorara Chapter president, secretary and chaplain.

In the past three years he has been awarded the Star Greenhand, Chapter Farmer and County Farmer awards.

He has earned the ag mechanics proficiency awards and was a member of the county's first place

Andrew Blank

parliamentary procedure team. The team also took fourth place honors in the state contest.

Andy took first place in the County quiz contest.

Andy's FFA projects have included rabbit production and work experience.

In addition to his FFA activities, Andy has played baseball for three years. He also plays volleyball and basketball for the church league.

His hobbies include auto repair and skiing.

Andy hopes to attend college and major in agricultural engineering.

DALE A. KEEN
Owen J. Roberts High School

Dale A. Keen, vice-president of the Owen J. Roberts FFA Chapter, has been nominated to receive the Keystone Farmer Degree.

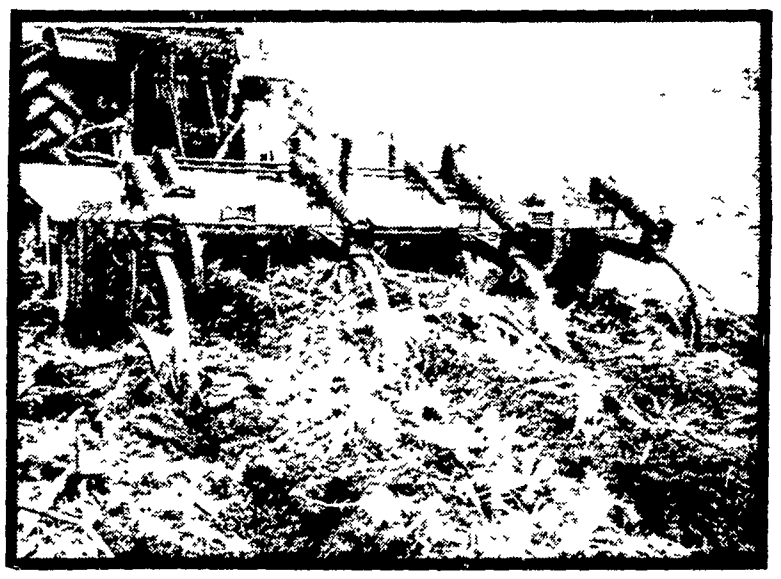
Keen is the 17 year old son of Donna and Lane Keen of R1 Glenmoore.

In his three years of FFA membership, Dale has

Dale A. Keen

(Turn to Page D16)

LANDOLL MORTON, KANSAS SOIL-MASTER



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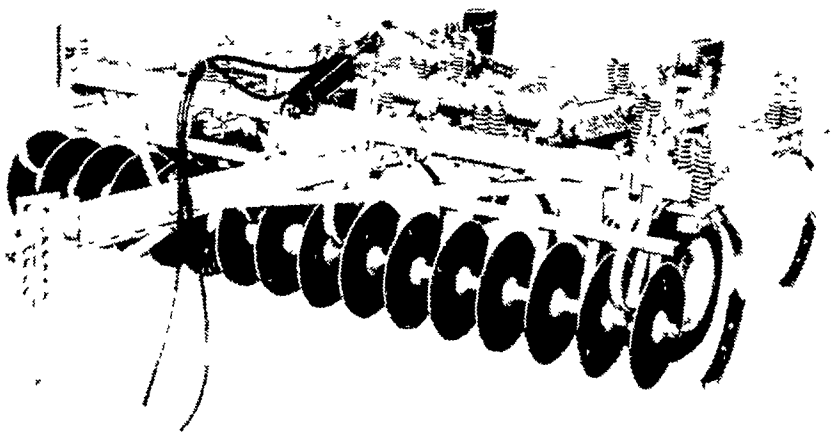

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(Continued from Page D15)

showed an avid interest in dairy projects. In his work experience project, Dale has been employed by the Samuel B. Acker and Son dairy farm.

He hopes to attend college and major in dairy husbandry. Later, he would like to own a farming operation.

In addition to serving as vice president, Dale has been secretary of his FFA Chapter.

He took first place honors in the 1979 Pennsylvania Dairy Judging Team and earned a silver medal in the National Judging Contest.

In addition to his Keystone Degree, Dale has earned the Greenhand, and Chapter Farmer Degrees.

He has served on the parliamentary procedure team and the citrus fruit committee. For the past two years, he has been high salesman.

In 1978, Dale won a silver medal for his project book. This past year he received a Foundation Award for his placement in Agriculture Production.

As a member of the Chester County Black and White 4-H Club, Dale has served as secretary.

He is also a junior fireman and enjoys every opportunity to hunt and fish.

SUSAN KULP
Owen J. Robert High School

Susan Kulp, the 17 year old daughter of Harold and Dawn Kulp, of 1096 Spiece Road, Pottstown, has earned the 1979 Keystone Degree.

Susan is presently serving as President of the Owen J. Roberts FFA, and as the County FFA treasurer.

Her FFA projects have included Aryshires, field corn, alfalfa, and home gardening. Her major interest involves the dairy business. Susan plans to major in Dairy Husbandry in college.

Susan participated in the Pa. Junior All-American Dairy Show and was also on the second place dairy judging team at that show.

Susan is a member of the 1979 State champion dairy judging team. She has also earned the 1979 Chapter Dairy Award.

Last year, Susan was involved with the parliamentary procedure team and served on the citrus fruit committee.

As a sports enthusiast, Susan participates on the varsity hockey, basketball, and lacrosse teams at Owen J. Roberts.

She is also a member of the Coventry Church of the Brethern and quite active in the youth group.

Susan does not limit her agriculture involvement to FFA, since she is a member of the Tri-Community 4-H Club.

Susan Kulp

In the near future, Susan plans to continue her FFA involvement.

JEFFREY ROLAND
Oxford Area High School

Jeffrey Roland, an active member of the Oxford Chapter of the Future Farmers has been selected to receive the 1980 Keystone Degree.

As the 17 year old son of Mrs. Mary Roland, and the late Henry Roland, Jeff resides in Homeville.

Jeff has involved himself with many Chapter activities including the parlimentary procedures team and FFA Activities Week held at Penn State.

S. Jeffrey Roland

This past Summer, Jeff earned a bronze metal for his achievement in the state dairy foods contest.

At the present time, Jeff is serving as President of the Oxford FFA Chapter. In the past he has been the sentinental and parlimentarian of the Chapter.

In November, Jeff attended the FFA National Convention held at Kansas City, Missouri, as a representative of the Oxford Chapter.

Jeffrey is also active in Oxford's Wrestling program, having wrestled on the varsity team for four years.

He is a member of the senior chorus and chorus ensemble at Oxford.

His hobbies are hunting, fishing, and cycle racing.

Jeff is presently employed as a farmhand with David Bartram, in Homeville. After graduation, Jeff plans to continue working on the Bartram farm.

CHARLES P. HAYES
Oxford Area High School

Charles Hayes, son of Mr. and Mrs. Phillip Hayes, R2 Oxford, has received the honor of being selected Keystone Farmer.

Charles, a senior at Oxford Area High School, has been active in the Oxford FFA Chapter in the past four years.

Presently, Charles is holding the office of student advisor in his local chapter as well as in the Chester - Delaware Area Association.

Having served on various committees, Charles is currently chairman of the recreation committee.

Charles P. Hayes

He has received the Vocational Agriculture Award, the Diversified Livestock Award, the Agricultural Scholarship and Record Book Awards.

Last year, he participated on the dairy judging team, placing nineteenth in the Penn State Dairy Judging Invitationl.

Charles received a gold medal in dairy judging when he placed thirteenth in the individual competition at the Summer convention held at Penn State.

Charles works with his father on a large hog and beef cattle farm. His responsibilities include helping to manage the farm.

He has raised his own animals and has kept project records for the past four years.

Charles plans to establish a career in the field of agriculture.

BERNIE L. HOSTETTER
Oxford Area High School

Bernie Hostetter, a senior at Oxford Area High School, is a recipient of the FFA's Keystone Degree.

As the 17 year old son of Mr. and Mrs. Wilmer Hostetter, Bernie has been on the work experience program of FFA.

During his four years as a FFA member, Bernie was assistant secretary in his sophomore year; chaplain

(Turn to Page D18)

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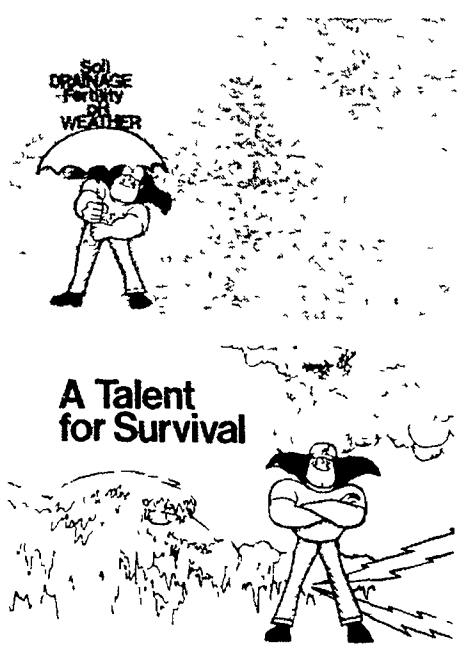

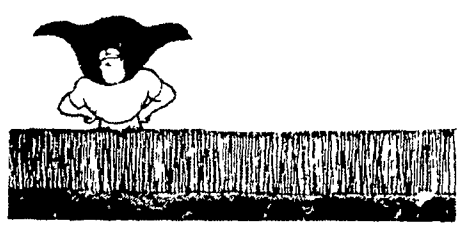

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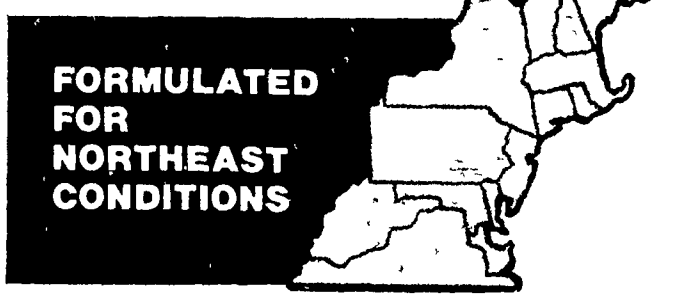

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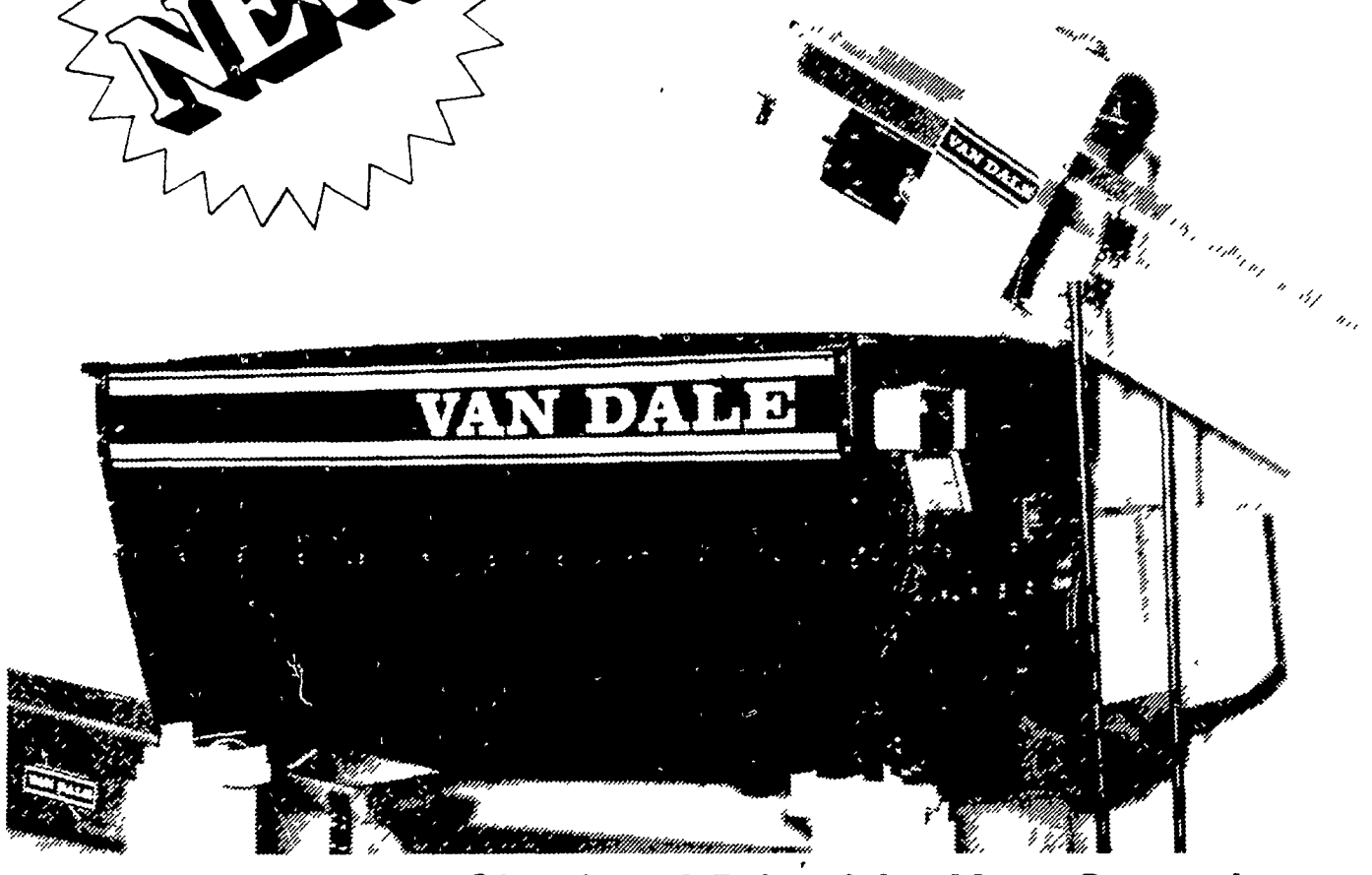

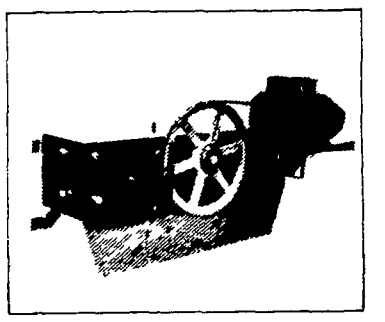

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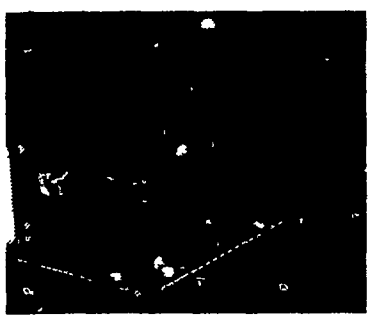

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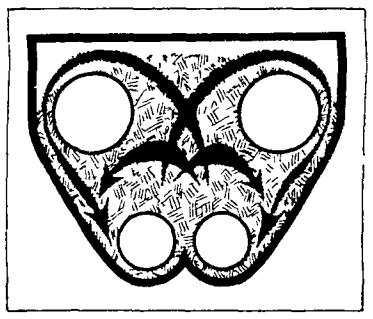

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Cumberland County

(Continued from Page D16)

as a junior, and is currently serving as the Oxford Chapter vice - president.

He has participated on Oxford's Dairy Judging team for the past three years.

Last year, as a junior, he placed fourth at the Penn State Dairy Judging Invitational.

Bernie has also served on various committees. He is currently the chairman of the scholarship committee.

During his sophomore year, Bernie received the dairy production award. He also earned a silver metal for his record book at the state contest, and an ag mechanics award.

Bernie's extracurricular activities include playing varsity football, wrestling, and baseball. He also is on the Oxford Kernel Staff.

Bernie is a member of the Mt. Vernon Mennonite Church and enjoys playing softball in the Summer months.

He appreciates the chance to go fishing and hunting. In the future, Bernie Hostetter hopes to continue working on a dairy farm.

Bernie L. Hostetter

Alan England

ALAN ENGLAND
Oxford Area High School

Alan England is the son of Mr. and Mrs. Ernest England, R1 Oxford. As a senior at Oxford Area High School, Alan will receive the Keystone Degree at the State FFA Convention in Harrisburg on January 9.

Alan has been enrolled in the vocational agriculture program and has been an FFA member for the past four years.

During this time, he has had production projects such as fattening hogs and raising steers.

He has competed at the State Farm Show and in the state salesmenship contest. He also attended the PAFC Cooperative Institute at Shippensburg State Collegs.

He has been very active in Oxford's FFA Chapter, serving on committees such as the cooperative work experience, citrus sales, banquet and recreation.

The many chapter honors he has received have included Star Greenhand, Ornamental Horticulture, Swine Production and Sales, and the Service Award.

Alan England plans to continue farming upon graduation in the Spring.

JEFF MCGILLVRAY
Big Spring High School

Cumberland Countian Jeff McGillvray has earned the Keystone Farmer Degree through his many FFA achievements and activities.

McGillvray is the son of Mr. and Mrs. Fred B. McGillvray of R.D. 3, Newville. The eighteen year old has been a member of the Big Spring FFA Chapter for four years.

During this time, he has had a dairy and a swine project. He was also a member of the awards and fund raising committees.

McGillvray has achieved several honors while in FFA, including Greenhand and Chapter Farmer. He also earned awards in tractor pulling and dairy production.

Sports are Jeff's interests when he's not involved in farming. He enjoys wrestling, football and baseball.

He is also an active member of the 4-H dairy and swine clubs in Cumberland County.

McGillvray's interests and achievements will be a great help to him in his future career as a dairy farmer.

Jeff McGillvray

BRIAN P. WEARY
Big Spring High School

Brian P. Weary, son of Boyd and Barbara Weary, has been nominated to receive the Keystone Farmer Degree. Brian lives at R1 Newville and is a member of the Big Spring FFA Chapter.

The seventeen year old Keystone Farmer has been a member of FFA for four years. He has been most active in the dairy field, having had five projects. These included one dairy calf, three heifers, and one cow. He also had two swine projects.

Weary has been active in many of the club's committees, especially the float committee.

Brian P. Weary

He has a long list of FFA achievements to his record, having served as chapter president. He has earned the Greenhand Degree, Chapter Farmer Degree, and the Star Greenhand award.

Weary was selected as "Junior of the Month for January" in 1979. He also is named in "Who's Who Among American High School Students".

The Keystone Farmer enjoys sports, stating that volleyball and hockey are among his favorite hobbies. He was a member of the 1977 champion FFA softball team.

Weary keeps busy and plays an active part in other organizations and clubs. He is a member of the National Honor Society, student council, show and honor choirs, and country chorus. He is also involved in the Cumberland Valley Tractor Pullers Association and the 4-H Small Engine club.

Brian hopes to attend Penn State's Mont Alto campus where he will major in Agriculture Business.

SAMUEL R. COOVER
Cumberland Valley High School

Samuel R. Coover, 17, has earned the degree of Keystone Farmer. Coover is a four year member of the Cumberland Valley FFA chapter.

The son of Roy L. and Janice M Coover, Samuel

(Turn to Page D20)

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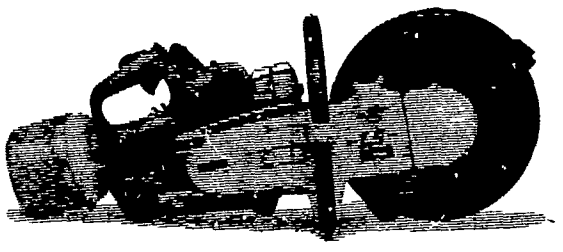

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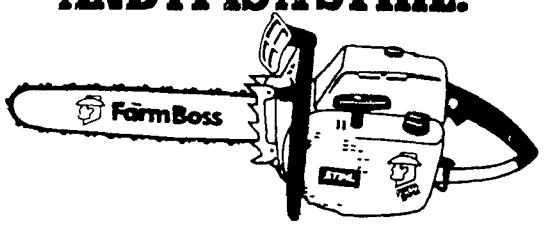

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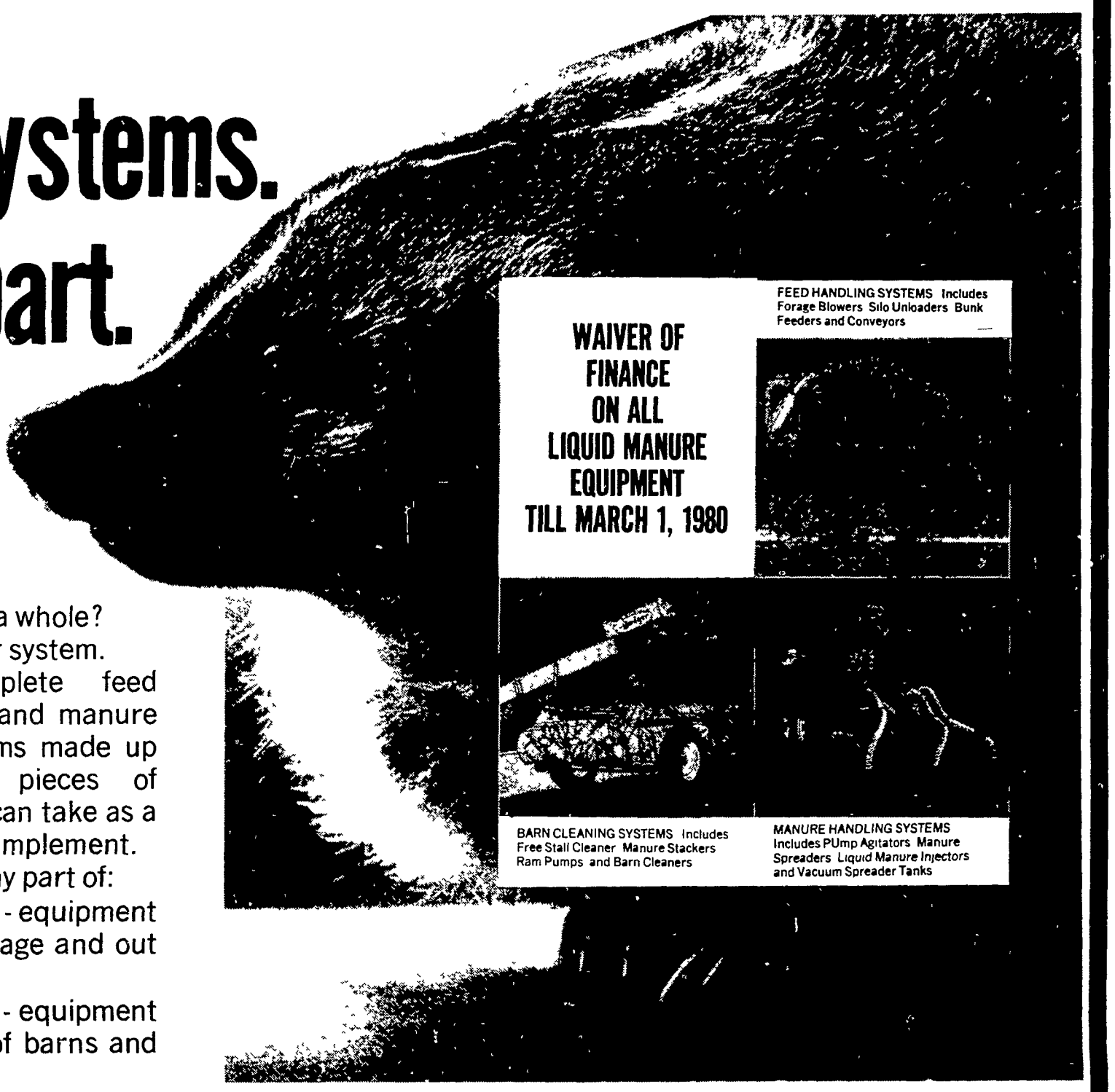
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(Continued from Page D18)

lives on his father's farm near Carlisle. He hopes to help his parents after he graduates until someday he can buy his own dairy farm.

Samuel's FFA projects were in areas that will be useful to him when he begins his career in farming. He had an eleven animal dairy herd, along with fifteen veal calves. He also raised and evaluated ten acres of field corn and five acres of wheat.

He has served on a number of FFA committees. He was on the executive committee for three years, the banquet committee for two years, and the trip committee for two years. In addition, he served on the recreation, tractor driving, sports, picnic and calendar sales committees.

Coover's leadership abilities helped him in serving as junior reporter, chaplain, junior president, and in serving two years as president. He has earned his Greenhand and Chapter Farmer Degrees, and now the coveted Keystone Farmer Degree.

He has been recognized for his achievements and was awarded the Star Greenhand and Star Chapter Farmer.

Samuel R. Coover

He has several other awards to his credit, including: chapter leadership, Production Credit records and production, and the State project book silver award for two years.

The Keystone Farmer is also a Boy Scout. In scouting, Coover is an achiever. He has earned the Order of the Arrow. In school, he was elected into the National Honor Society. He is a member of the Varsity football team.

Randall E. Yost
Cumberland Valley
High School

One of this year's Keystone Farmers is Randall E. Yost. Yost, 17, is the son of Leonard E. and Patricia A. Yost of Carlisle.

Yost has been a member of the Cumberland Valley FFA for four years. He has served on numerous committees for the club, including: citrus sale, membership, roller skating, finance, trip, banquet, publicity, and executive.

Randall E. Yost

He has earned his Greenhand and Chapter Farmer Degrees, and was awarded the Star Chapter Agribusinessman. Yost was a member of the meats judging team that earned a bronze medal at Penn State he also received the Foundation Award for sales and service.

After graduation, Yost hopes to work at Berkheimer Farms. Eventually, he would like to find a local farm where he would raise some livestock and farm the land.

VICTORIA A. HOCK
Shippensburg Area
Senior High School

Vickie Hock is one of several young women who has earned the Keystone Farmer Degree this year. Vickie is a five-year member of the Shippensburg FFA Chapter.

She is the daughter of Mr. and Mrs. C. Walter Hock, Jr. She lives on her parents' farm, located in R.D. 3 Shippensburg.

Victoria A. Hock

Vickie's FFA projects included swine breeding, swine finishing and a Holstein dairy heifer. She has helped her club by being active in several committees. She was chairman of the livestock, banquet, and Farm-City Week committees, and served on the seed committee.

Vickie was the club's reported for three years. She has earned her Greenhand and Chapter Farmer degrees, and was named Outstanding in both divisions in the Shippensburg Chapter. Vickie received the Agriculture Student of the Year award, presented by her high school's faculty. She also earned the Outstanding Livestock award.

Vickie hopes that her future will include working with breeding swine on her family farm. She is also looking forward to dating.

Dauphin County

BILL KOTKIEWICS
Halifax Area
High School

Bill Kotkiewics, a senior at Halifax Area High School, has been a member of the Halifax Area FFA Chapter for the past three years.

This year he is the Halifax Chapter sentinal. Bill has served on the banquet committee, fruit committee, and swine committee as a Chapter member.

Bill has a great deal of interest in rebuilding heavy duty equipment. His FFA projects have included rebuilding a 58 HI dump truck and trailer.

A 100 sow hog operation is another one of Bill's FFA projects.

Penn State is in Bill's future. He plans to major in agriculture business administration.

Bill is also a member of the Halifax Varsity Club, Conservation Club, and Drama Club He participated on the varsity football and track teams.

Bill's parents are George and Barbara Kotkiewics of R2 Halifax.

KEVIN L. SWEIGARD
Halifax Area
High School

Kevin L. Sweigard, the 17 year old son of Lee and Sandra Sweigard, is looking forward to attending an Electronic Institute in Harrisburg.

As a member of the Halifax Area High School, Kevin's projects have included small grains, corn, oats, and dairy. he also has participated in the farm work experience program.

This year, Kevin is the president of the Halifax FFA Chapter.

In previous years, Kevin earned the Greenhand and Chapter Farmer Degrees. Next week, he will receive the Keystone Degree at the State FFA Convention in Harrisburg.

Kevin's extracurricular activities include membership in the Halifax Varsity Club, National Honor Society, and the Student Council. He also plays on the high school basketball team.

Kevin enjoys all sports. His hobbies include hunting, fishing, and listening to music.

TAMMY R. YOST
Lower Dauphin
High School

Tammy R. Yost has attended a number of conventions as a member of the Lower Dauphin FFA Chapter. This Summer, she attended the PAFC conference. Two years ago, she attended the National FFA convention.

Tammy R. Yost

Tammy is the treasurer of the FFA Chapter. She has taken honors as a member of the Parliamentary Procedure Team in the past four years. She was a member of the first place County team; the second place Regional team and the fourth place State team.

Tammy earned a silver medal for her achievement in the State Dairy Judging Team; she had placed first in the county competition.

Tammy's FFA projects include dairy calves, cows, chickens and work experience.

She has served as chairperson of the citrus sales, safety, and homecoming

(Turn to Page D26)

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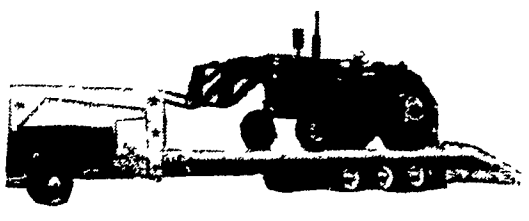

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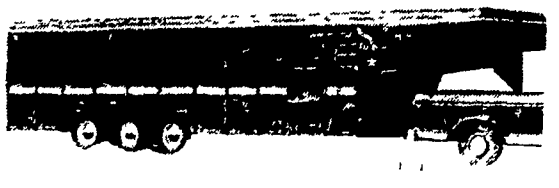

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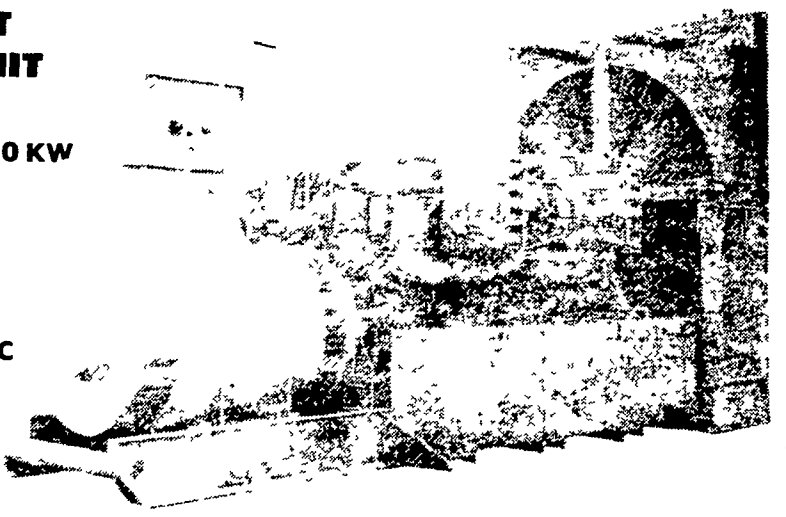
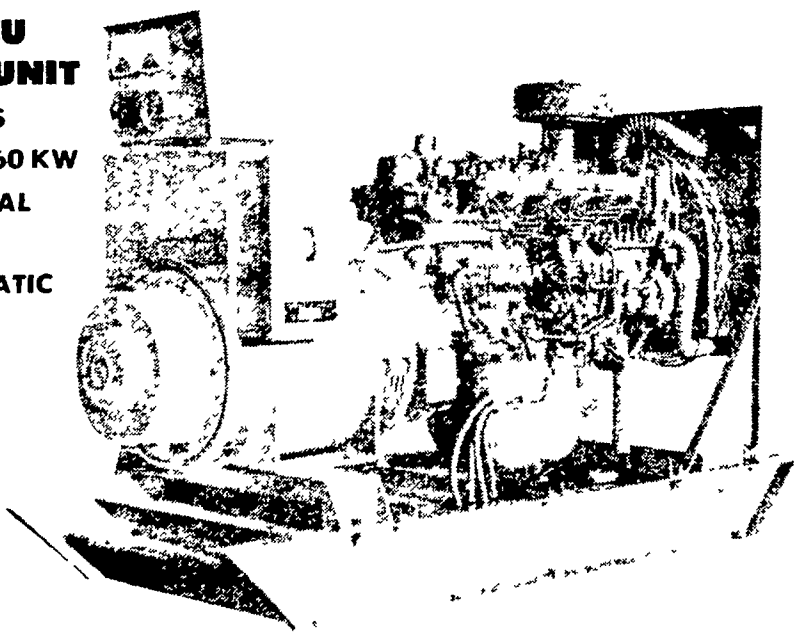


ISUZU DIESEL UNIT
SIZES
12 KW to 60 KW
MANUAL OR AUTOMATIC



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Exhibitors List - 1980 Farm Show

CODE: When a letter preceeds the space number, the location is one of the following:
B - Beef Barn
P - Poultry Room
D - Dairy Barn
Main Floor has no designation (numbers only)

Acorn Equipment Corp., Lancaster	B11 and B12
Adams County Nursery & Fruit Farms, Aspers	584
Agr-Broadcasting Network, New Holland	723
Agricultural Stabilization & Conservation Serv., Harrisburg	601
Agrotec, Inc., Salisbury	663
Agway, Inc., Promotional Serv., Syracuse, NY	374 to 378A & 384 to 389 incl.
W. F. Allen Co., Salisbury, MD	543
Allied Farm Equipment, Youngstown, OH	489 to 500 incl.
Allis-Chalmers, Richmond, VA	149 to 161 & 172 to 187 incl.
American Breeders Serv., Mashpee, MS	D35
American Dairy Assn., Syracuse, NY	D19, D20, D21, D22
Amsoil, Duluth, MN	D28
Anchor Laboratories, Danville, IN	576
Anderson, Milton, Inc., Harrisburg	96, 97, 98, 99 & 604
Asgrow Seed Co., Mechanicsburg	565
Atlantic Breeders Coop., Lancaster	D43
Automatic Systems, Inc., Camp Hill	692 & 693
AVCO New Idea Farm Equipment, Harrisburg	48 to 53 & 63B to 67 incl.
Babson Bros. Co., Oak Brook, IL	420 & 406
Badger Associates, New Brighton	502 & 503
Badger Northland, Inc., Carlisle	11 to 15 incl.
Baker, J. E. Co., York	510
Beachley-Hardy Seed Co., Camp Hill	677 & 678
Bean, John Div., FMC, Jonesboro, Ark.	314 to 321 & 315B to 321 incl.
Behlen Mfg. Co., Columbus, Nebraska	471 & 472
Bender Machine Works, Inc., Rt. 5, Hayward, WI	724
Berg Equipment Corp., Marshfield, WI	711 & 712
Blue, John Co., Elkton, MD	142D
Bountiful Ridge Nurseries, Inc., Princess Anne, MD	579
Boyd's Seed Center, Lebanon	733
Brillion Iron Works, Brillion Wisc.	364 to 369A
British Consulate General, Philadelphia	
Brittingham Plant Farm, Salisbury, MD	509
Burlings Hatchery, Oxford	P3
Butler Mfg. Co., Oxford, Pa	145 to 148 incl.
Richard E. Brandt, Reading	33 & 34 O/S
Calument & Nesseth Dist., Mifflinburg	300 sq. ft. Hog & Sheep Barn
Cann's, Macungie	718
Carlton Seed Co., Hanover	561
Carnation Company, Shawnee Mission, KS	730 & 731
Carter Seed Farms, Inc., Washburn, Maine	581
Chore Boy, Div., Golay & Co., Inc., Cambridge City, IN	485, 486, 487
Chromalloy Farm Systems Div, Madison, WI	378B to 381 incl.
Clay Equipment Corp., Binghamton,NY	800 sq. ft. Hog & Sheep
Conaway, Inc., Lawrence	644, 645, 646
Conklin Co., Manheim	D31 & D32
Cornell Mfg. Co., Lanceyville	481, 482, 483, 484
Cummings & Bricker Inc., Batavia	713, 714, 715
Corostone Silo Co. Inc., Weedsport NY	D12, D13, D14
Curtiss Breeding Serv., Inc., Cary, IL	582
Dairy Equipment Co., Madison, WI	689, 690, 691
Deere, John Co., Syracuse NY	222 to 232 & 236 to 249 incl.
DeKalb Agresearch, Inc., DeKalb, IL	586, 587, 588, 589
DeLaval Separator Co., Chicago, IL	392, 393, 394
Delaware Valley College, Doylestown	567
DESA Industries, Inc., Park Forest, IL	369B & 370A
Doebler's Penna. Hybrids, Inc., Jersey Shore	559 & 560
Deutz Corporation, Atlanta, GA	54 to 60 incl.
Eastern Sales Company, Inc., Baltimore, MD	D34
Eccles Nurseries, Rummersburg	564
Electric Wheel Co., Quincy, Il	139 & 140
Envesto Enterprises, Latrobe	D26
Eshelman, Clyde & Sons, Lancaster	84, 86, 88 O/S
E-Z Trail, Inc., Carlisle	L12, L13, L14 Lg Arena
Farm Fans, Inc., Indianapolis, IN	527 & 528
Farmhand, Hopkins, MN	661, 662, 653, 654
Farmway Co., Inc., Lititz	302
Favorite Mfg. Inc., New Holland	P5 & P6
Fickes Silo Co., Inc., Newville	P22 & P23
Fidelity Electric Co., Inc., Lancaster	P26 & P27
Ford Motor Co., Troy, MI	68 to 77 & 80 to 87
Furst McNess Co., New Bloomfield	734
Farmers Home Administration, Harrisburg	737
Gans Tire Company, Chelsea, MA	709, 710 & 725, 726
Gehl Co., West Bend, WI	358, 359 & 370A, 371, 372, 373, incl.
Girton Mfg. Co., Millville	342, 343, 357, 356
Goulds Pumps, Inc., Seneca Falls, NY	404 & 405
Gravely Tractors, Clemmons, NC	675, 676 & 679, 680
Growers Chemical Corp., Milan OH	580
Governor's Energy Council, Harrisburg	583
Hamilton Equipment Co., Ephrata	250 to 260A, incl.
Hanover Shoe, Inc., Hanover	L15 - Lg Arena
Hartman Milking Machine Co., Inc., Oneida, NY	735
Hefty, John Grain Handling Systems, Watsontown	314 & 315A
Herr, E. M., Equipment, Inc., Willow Street	P11 & P12 and O/S
Hershey Equipment Co., Inc., Lancaster	694 & 695
Hoard's Dairyman, Fort Atkinson, WI	D27
Hoffman Seeds, Inc., Landisville	596, 597, 598, 599
Homelite, Philadelphia	519 & 520
Huskee-Bilt Structures, Fort Wayne, Indiana	623 & 624
Hesston Sales & Service Center, East Petersburg	703, 704 & 6 - 10 incl.
Independent Buyers Assn., Inc., Millbury, MA	D29 & D30
International Harvester Co , Columbus, OH	88 to 85 & 100 to 127
International Stock Food Corp., Waverly, NY	539, 540, 541
J. & J. Agri Products, Dillsburg	504 & 505
Jacques Seed Co., Cochranville	638, 639, 640
Jerr Dan Corp., Greencastle	395 to 401
Jamesway, Div. of Butler Mfg. Co., Fort Atkinson, WI	305 - 307
K & S, Inc., Quarryville	326, 327, 340, 341
Kasten Mfg. Corp., Allenton, WI	166, 167, 168
Kendall Refining Co., Bradford	542
Koehring Farm Div., Appleton, WI	671 to 674 & 682 to 684
Kimmich Farm Equipment, Neffsville	9, 11, 13, 15, 17, 19 O/S
Kubota Tractor Corp., Compton, California	507 & 508
Kupers Sales Center, New Holland	P7, P8, P9, P10
Lamco Mfg. & Dist. Co., Inc., Locke, NY	43 - 47 inc.
Laubach Saw Equip. Co., West Thompsontown	621 & 622
Lehara Equipment Co., Inc., East Brunswick, NJ	42
Lely Corporation, Hwy., Wilson NC	322, 323, 312, 313
Lincoln Elect. Co., Cleveland, OH	605 & 606
Long Mfg. Co., Tarboro, NC	649, 652, 664, 666
Lehigh Valley Farms, Inc., Lewisburg	35 O/S
McConnell Mfg. Co., Inc., Prattsburg, NY	342, 325
McDade, C. A., Co., Inc., Monroeville, PA	65 & 66 O/S
Martin Distributors, Inc., Lebanon	615 & 616 and O/S
Martin Mfg., Co., Benton	125, 126, 127, 128, O/S
Martin Steel Corp., Mansfield, OH	39
Mathews Co., Crystal Lake, IL	191, 192, 193
Melroe Div of Clark Equipment Co., Fargo, MD	217
Modern Poultry Supplies, Inc., Lancaster	P4
Morton Bldgs., Inc., Gettysburg	590
Moyer's Chicks, Inc., Quakertown	P2
Mueller, Paul Co., Springfield, MO	608, 609, 610
Muncy Chief Hybrids, Muncy	562, 563
Myers, F. E. Co., Ashland, OH	467, 468, 469, 470
Mid-Eastern Steel Buildings, Christiana	128 & 129
Mummau Livestock Equip., Elizabethtown	B5
NaChurs Plant Food Co., Watsontown	558
Nasco, Inc., Fort Atkinson, WI	Corridor
Northeastern Breeders Assn., Tunkhannock	D36
Nieymeyer Corp., West Chest	669, 670 & 685-686
Norton Company, Akron, OH	732
O'Gold Seed Co., Dover	595
Ohio Dairyland Cheese co., Akron, OH	Corridor
P-A-G Seeds, Bowling Green, OH	525 & 526
P & D Manufacturing Co., Plainfield, IL	577 & 578
Palco Livestock Equipment Co., Belle Plaine, IA	L11 - Lg Arena
Papec Machine Co., Shortsville, New York	402 & 403
Partlow Corp., Campion Rd., New Hardford, NY	719
Patz Co., Pound, WI	220 & 221
Pearson Co., Galva, IL	641, 642, 643 and H/S Bm.
Penn Valley Cropstore, Schwenkville	617 & 618
PA Farm and Power Equip. Assn., Harrisburg	390 & 391
PA Farmer, Camp Hill	382 & 383
PA Farmers Union, Harrisburg	720
PA Farmers Assn., Camp Hill	319 & 320
PA Cattleman's Assn., State College	B2
PA Department of Education, Harrisburg	Second Concourse Lg Arena
PA Holstein Assn., State College	D37, D38, D39
PA Florist Assn., Hummelstown	523 & 524
PA Flower Growers, Bloomsburg	521 & 522
PA Game Commisstion, Harrisburg	L8, L9, L10 Lg. Arena
PA Historical & Museum Comn., Harrisburg	L4, L5 Lg Arena, L6, L7
PA National Farmers Organization, Glenmoore	138
PA Rural Electric Assn., Harrisburg	612, 613, 614
PA State Grange, Harrisburg	602 & 603
PA State Maple Council, Honesdale	611
PA State Sunday Sch. Assn., Harrisburg	L1 Lg Arena
PA State University, University Park	546 - 555 incl.
Pfizer Genetics, Olivia, MN	566
Pioneer Hi-Bred, International Inc., Tipton, IN	569, 570, 571
Plain and Fancy Egg Ranch, Inc., Elizabethtown	P1
Power Pro Equip. Co., New Holland	142A - 142B - 142C
Penn Dutch Farm Systems, Leola	89 to 94 incl O/S
Rayner Bros., Salisbury, MD	593 & 594
Reichard, Robert A., Allentown	D4, D5, D6
Ribstone Silos of PA, Troy	
Rohrer, P. L. & Bros., Inc. Smoketown	535 & 536
Ryder Supply Co., Chambersburg	D1, D2, D3, D9, D10, D11, 21, 22 O/S & 309 & 308A
Read Steel Products, Manheim	B7 & B8
S & S Distributors, Shickshinny	D40, D41, D42
Schlueter Co., Janesville, WI	511, 512, 533, 534
Schuld Mfg. Co., Inc., Mosinee, WI	142 & 142
Seal Crete, Inc., Ephrata	513 and 27 - 32 O/X
Seem Seed Farms, Emmaus	568
Sharon Metal Prod., Inc., W. Middlesex	478 & 479
Shenandoah Mfg. Co., Harrisonburg, VA	L2 Lg Arena
Shenango Steel Bldgs., W. Middlesex	705 & 706
Show-Ease Stall Co., Lancaster	721 & 722
Slaybaugh Bros. Nursery, Aspers	698
Smith, A. O. Harvestore Products, Inc., Milwaukee, WI	P32, P33, P34
Snavely Silo Sales, Inc , Landisville	D7, D8, D15, D16
Snyder Plant Food Co., Inc., Lititz	591 & 592
Sperry New Holland, New Holland	329 to 339
Stanford Seed Co., Plymouth Meeting	530, 531, 532
Star Silo Assn., Myerstown	P35, P36, P37 and O/S
Steiger Tractor, Inc , Fargo, ND	310 & 311
Stoltzfus Mfg., Inc., Morgantown	474 & 475
Super Goose Trailers by Moritz, Mansfield, OH	43 to 46 O/S
Swantak, Joseph, Oneonta, NY	476 & 477
Tam Agri, Dillsburgh	95 &96 O/S
Thomas Farm Systems, Leola	P21 & P22

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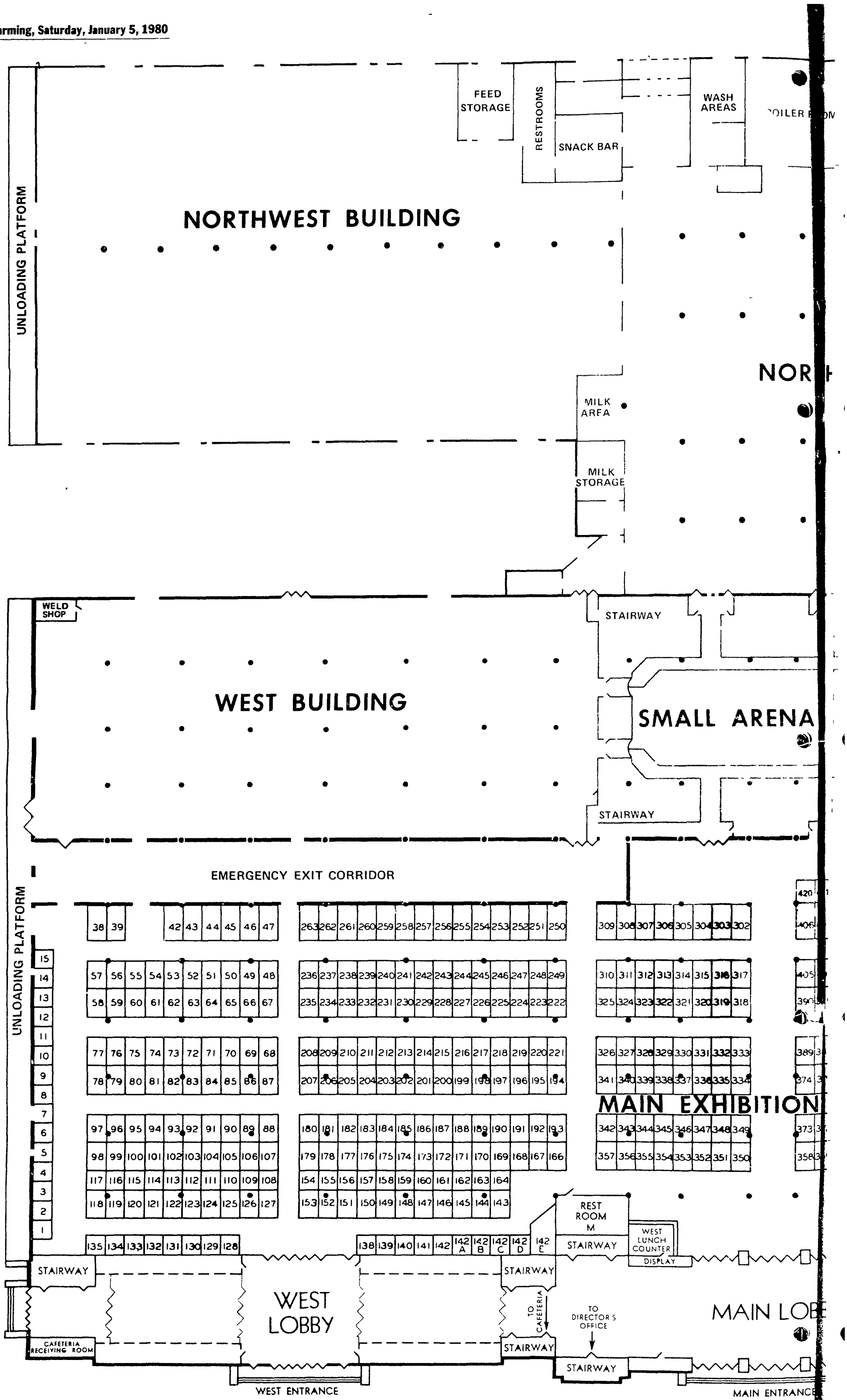
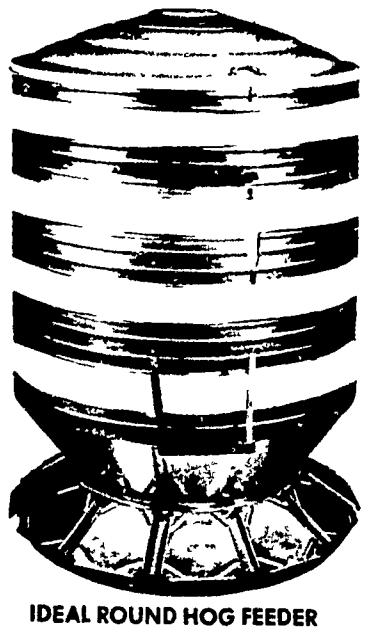

UNLOADING PLATFORM
FEED STORAGE
RESTROOMS
SNACK BAR
WASH AREAS
NORTHWEST BUILDING
MILK AREA
MILK STORAGE
WELD SHOP
STAIRWAY
WEST BUILDING
SMALL ARENA
STAIRWAY
EMERGENCY EXIT CORRIDOR
UNLOADING PLATFORM
MAIN EXHIBITION
REST ROOM M
STAIRWAY
WEST LUNCH COUNTER
DISPLAY
STAIRWAY
WEST LOBBY
STAIRWAY
TO CAFETERIA
TO DIRECTOR S OFFICE
MAIN LOBB
CAFETERIA RECEIVING ROOM
STAIRWAY
WEST ENTRANCE
MAIN ENTRANCE



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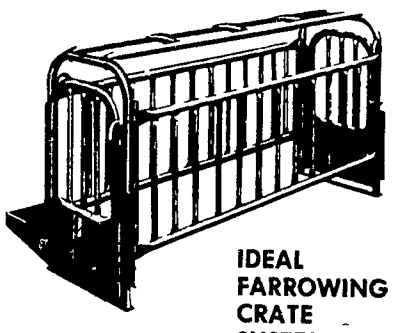
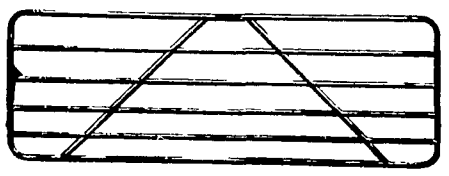


IDEAL FARROWING CRATE SYSTEMS



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- Increase Production
- Healthier Animals
- Better Feed Conversion
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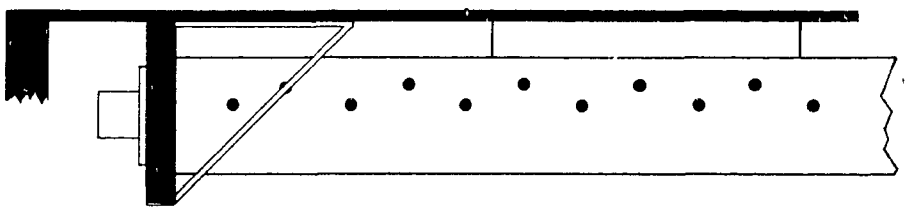
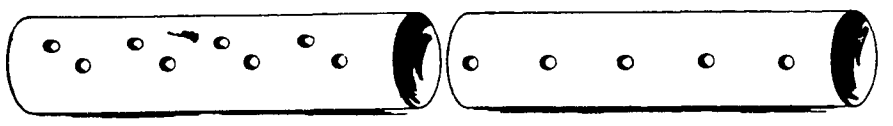


DAIRY HOGS BIRDS

- Creates Turbulance
- Reduces Temperature
- Reduces Humidity

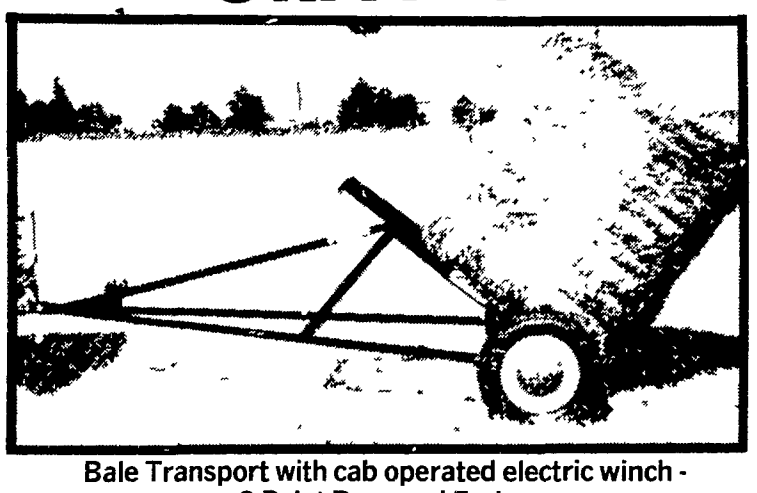
NOTE: *Multiple hole staggering*

THIS . . . NOT THIS . . .



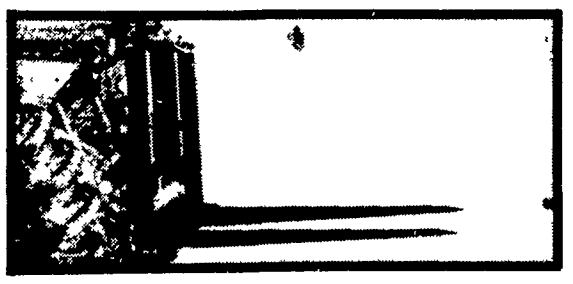
for better air velocity

GRAVES



Bale Transport with cab operated electric winch - 3 Point Base and Forks.

ROUND BALE TRANSPORT CAN BE ATTACHED TO EITHER PICKUP OR TRACTOR.



3 Point Base with Forks.

3 point base and forks are the same used on the Round Bale Transport. 3 point base and forks can be mounted on tractor or bale transport and interchanged without difficulty.

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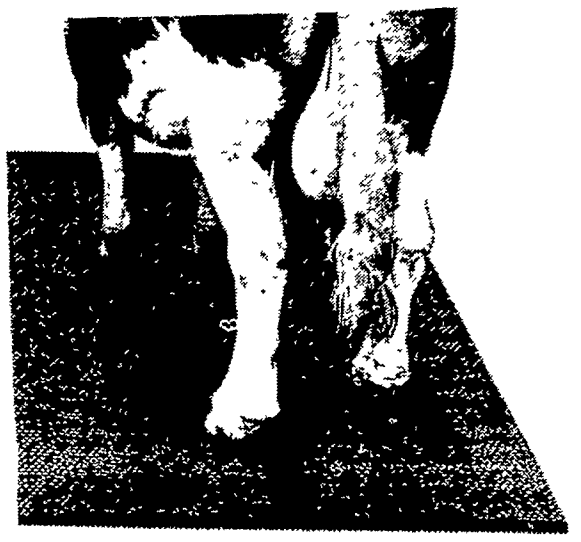
- Soft
- Non-Absorbent
- Pebbled Surface Cow Mats Of The Highest Available Quality Rubber
- Saves You The Cost & Continually Changing Bedding



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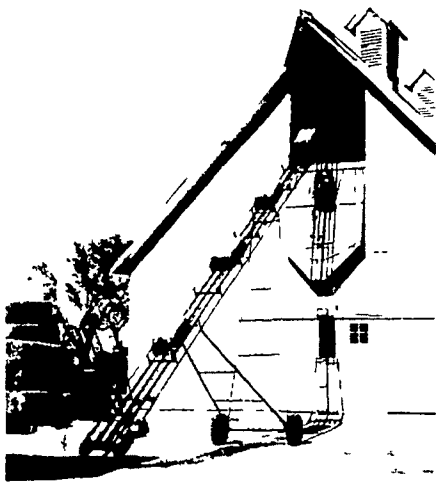
This Is The Best Mat We've Ever Offered!

IN STOCK — IMMEDIATE DELIVERY

GRAVES BALE ELEVATOR AND MOW CONVEYOR



- 1" Square 17 ga. Steel Tubing
- Every Panel x-braced w/¼" steel
- Quality Accessories Available

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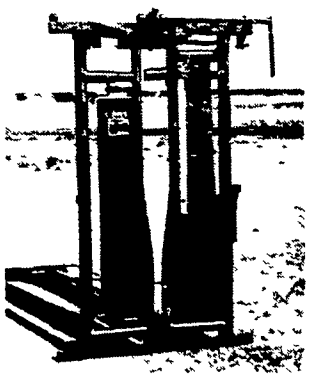
SPEEDWAGON

The Graves Speedwagon offers you the ultimate in hay handling Its gentle handling of bales and highway speed capability allows you to move large quantities of bales long distances very economically

Non stop loading ● Before you get to the bales to be loaded push one switch on the hand control and the machine will swing out and trail beside the pickup ● Push the second switch and the front of the machine lowers to the ground ● Push the third switch at the same time as you engage the bale and approximately 12 seconds later the bale is loaded ● After the third bale is loaded swing the machine in behind the pickup and you are ready to go to the storage area, whether it be 100 yards or 100 miles All this is accomplished without ever stopping the pickup

MY-D HAN-D



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- Full walk-through front opening
- Self-adjusting for any size animal.
- Safe for animal and operator.

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- 309, 308A Main Floor
- D1, D2, D3, D9, D10, D11, - Dairy barn
- 21, 22 - Outside

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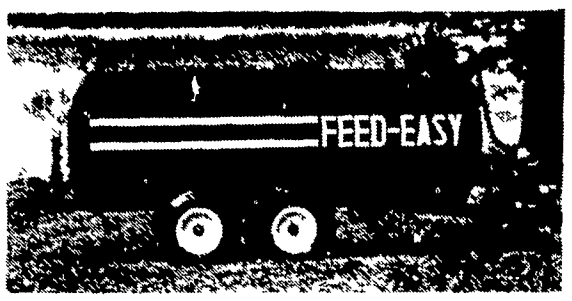
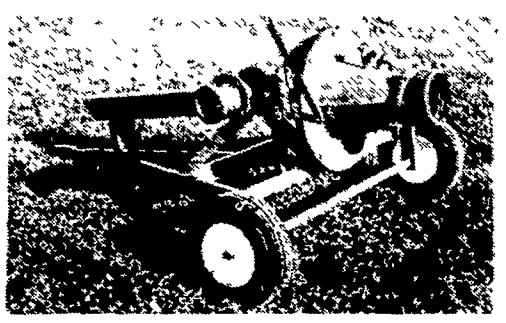
FEED EASY

Slinger Manure Tank Low, straight back, 180° spread pattern No messy blowback on operator Up to 40' swath 24" diameter fill hole Full length beam supports Tough walking beam undercarriage Available in 1500, 2250, 3000 gallon models



Vacuum Manure Tank Powerful vacuum/pressure pump with simplified valve system, automatic reliefs Separate intake and discharge ports Proven undercarriage with walking beam suspension Low uniform swath with controlled coverage 1500, 2250, 3000 gallon models



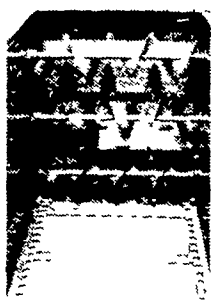
High Pressure Centrifugal Pump. This pump is specifically designed to get all those really hard to reach spots in livestock manure systems The pump will develop up to 70 p s i pressure to help break solid deposits for easier loading The pump will agitate, transfer or load manure at a rate of up to 2,500 gallons per minute

Soil Injector. Puts liquid manure right into the soil where it does the most good Adjustable width spacing permits use on sod, row crop and stubble fields Spread on surface without removing injectors Available for all slinger and vacuum models

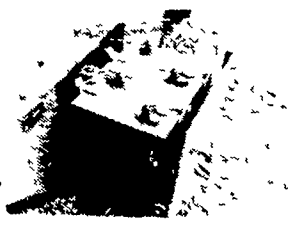
The new Weaverline Series 300 battery-powered Feed Transport - Cart!

CHECK THESE ADVANCED - ENGINEERING FEATURES

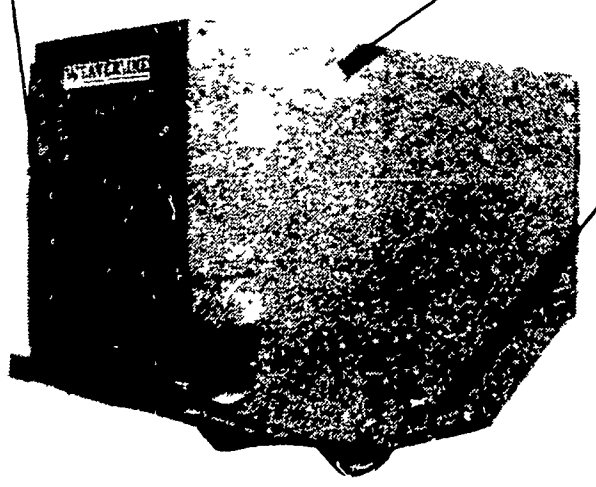
PROVEN UNLOADING-DRIVE LINKAGE
Smooth running roller chain and belt drive combination provides 6 conveyor speeds plus individual on-and-off control of upper and lower sets of augers

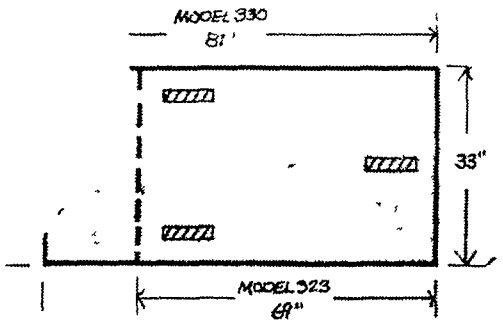


CONTROLLED UNLOADING
Apron conveyor and two pairs of augers can be controlled individually Upper augers prevent bridging Lower augers and conveyor control discharge flow



CONVENIENT POWER PACK
Weaverline 4-unit battery pack provides plenty of transport and unloading power Batteries roll out either side of quick servicing To charge, just plug into charging recepticle from any 115 volt AC power source





TWO MODELS
For maximum capacity, the larger Model 330 measures 81 inches long, 33 inches wide and holds 30 bushels For tight corners, the compact Model 323 69 inches long and 33 inches wide Holds 24 bushels Tricycle running gear makes both units easy to turn—easy to guide

For mechanized dairy feeding!

Cut your labor costs with this modern Weaverline material handling system Built to stand up to years of heavy loads, Weaverline Series 300 feed-transport carts are designed with larger discharge augers, more auger clearance, extra heavy steel bottoms, stronger conveyor shafts and heavy duty bumper guard shields For a dairy feeding system that demands minimum maintenance and service, specify Weaverline See these new Series 300 transport carts at your dealer Or write Weaverline Corporation, Churchtown, Pennsylvania 17510 Telephone (215) 445-6724

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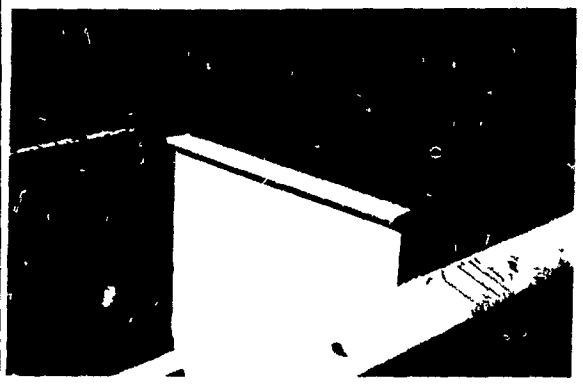
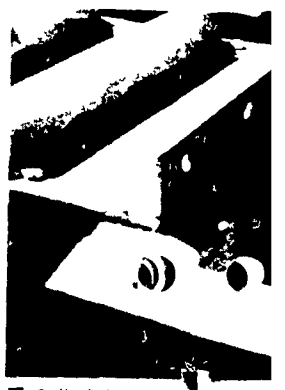
You Get These Features Fr

Agromatic TRANSF PUMP



■ Plunger 12 x 12 moves large amounts of straw filled manure shear bar and angle iron guides enable plunger to work like reliable baler plunger head design breaks up bridging



■ 36" of shear area ·/plunge to get in front of plunger giving

HERE ARE SO

■ Handles long straw or free flowing manure
■ Large Standard Hopper
■ No seals or bushings

TWO CUBIC FOOT PER STRUCK

■ Square Gate Valves c
■ 10 PVC Pipe assuri all solids
■ All working parts removable

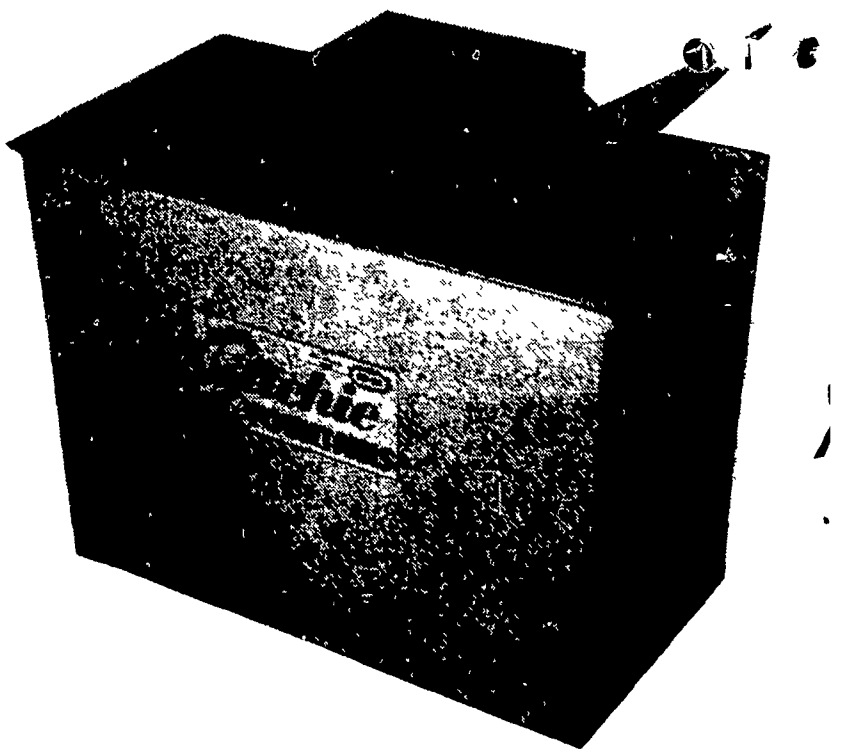
Ritchie Fountains deliver ter they are out there work

Weatherproof You bet and efficient insulation set the Watt Watcher™ energy use Big throated keep water gushing in Ea water they need to promot

Ritchie Fountains are with rugged heavy galva expoxy finish to stand up abuse

Why take chances on and yellow Ritchie Fountai for water that won't quit

WATER THAT WON'T



SEE ON DISPLAY AT PA. FARM SHOW JANUARY 6-11

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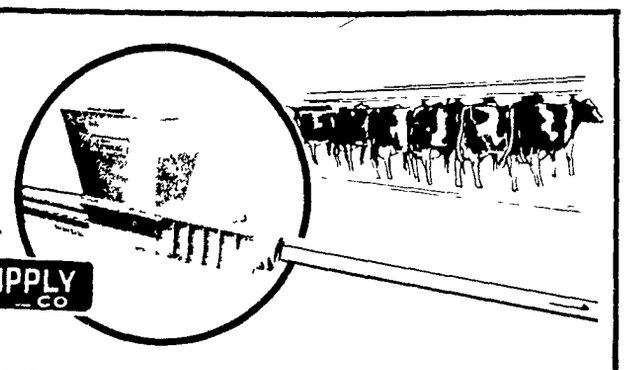
ETE MANAGEMENT SYSTEMS

Products of RYDER SUPPLY CO.

atures From TRANSFER PUMP



■ 36" of shear area plunger backing off 18' enables manure to get in front of plunger giving pump grate capacity

■ Full 2 cu ft of manure moved with each stroke reinforced chamber for reliability
■ Square gate valve 2 independently working gates least flow resistant design

RE ARE SOME BENEFITS:

K

■ Square Gate Valves open completely
■ 10 PVC Pipe assuring positive movement of all solids
■ All working parts easily and completely removable

250' CAPABLE

■ Manure Storage solves old fashioned stacking/hauling methods
■ No need to change bedding practice
■ Saves time and labor

Ritchie Fountains deliver. Even in the dead of winter they are out there working You're not

Weatherproof You bet they are Heating systems and efficient insulation keep water ice free just set the Watt Watcher™ thermostat for minimal energy use Big throated, non stick plastic valves keep water gushing in Each of your cows get all the water they need to promote peak production

Ritchie Fountains are tough, too Quality built with rugged heavy galvanized steel and CD 50 expoxy finish to stand up to weather and barnlot abuse

Why take chances on anything less than a red and yellow Ritchie Fountain? Call your Ritchie dealer for water that won't quit

WON'T QUIT

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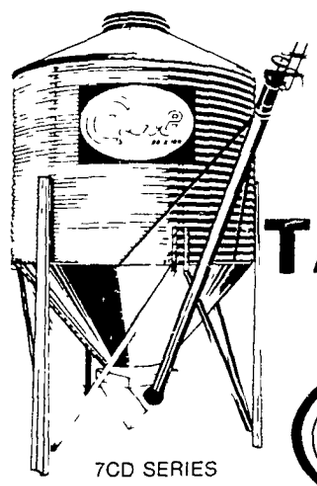

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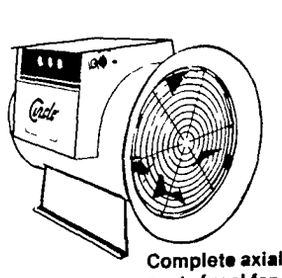
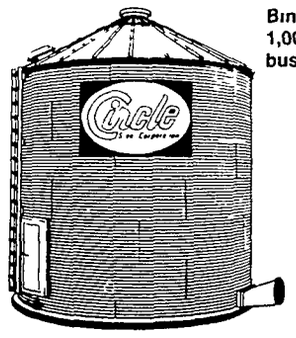


Complete axial & centrifugal fan and dryer line



Bin capacities 1,000 to 150,000 bushels

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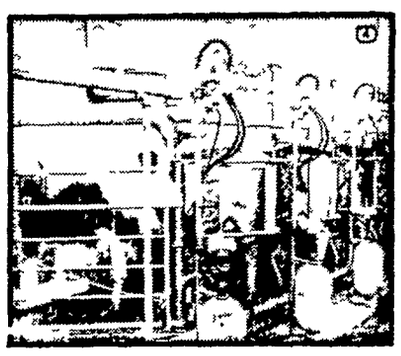

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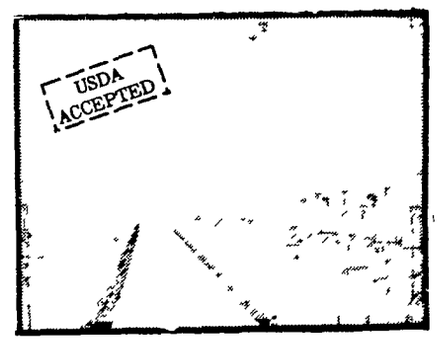

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3/32 & 1/8" THICKNESS, 4 x 8 FT. PANELS
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ALL CORNER MOLDING AND FASTENERS

VINYL MOLDINGS ARE AVAILABLE TO GIVE A FINISHED APPEARANCE & A WATERTIGHT INSTALLATION.

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- ☐ AGROMATIC Hydraulic Transfer Pump
- ☐ H D Chain Barn Cleaners
- ☐ AGROMATIC Cable Barn Cleaners
- ☐ FEED EASY Vacuum Tanks
- ☐ FEED EASY 1500 thru 3000 gal Liquid Manure Tanks
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- ☐ ROTO-FEEDERS (Lazy-Susan)
- ☐ AGROMATIC 9" & 12" Auger Feeders
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• SELF-FEEDING •
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- ☐ IDEAL Round Cattle Feeders
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- ☐ Mineral & Salt Feeders
- ☐ CIRCLE Bulk Storage Bins 3 to 50 Ton

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- ☐ FEED EASY (TMR) Mixer-Feeder Wagons
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• Main Floor
• Dairy Barn
• Outside

(Continued from Page D20)

float committees. She has also served on the Food for America and FFA Week planning committees.

In addition to FFA, Tammy is a member of the Lower Dauphin Dairy Club, presently serving as vice-president. She also belongs to the Junior Holstein Friesian Association of America and the Dauphin County 4-H Council.

Tammy recently showed an aged cow to win the senior and grand championship of the Junior All-American Dairy Show.

Her interest in dairy has encouraged Tammy to major in dairy production at college.

Tammy is the 17 year old daughter of Mr. and Mrs. Vernon Yost, R1 Hershey.

DEBBIE L. CAPP
Lower Dauphin
High School

Debbie Capp of R1 Hershey is the secretary of the Lower Dauphin FFA Chapter. She has been nominated to receive the Keystone Degree during next week's FFA Convention in Harrisburg.

Debbie has served at the Chapter Secretary for the past year. In her sophomore year, she was the assistant secretary.

Her FFA projects have included dairy calves, a heifer, and a cow.

She is active on a variety of FFA committees, including the Food for American Committee, the Safety Committee, the Chicken Catching Committee, the FFA Week committee and banquet committees.

This year, Debbie is a member of the parliamentary procedure team.

Her awards have included the dairy proficient award, and honors in the State Project Book Contest.

Debbie is a member of the Lawn E.C. Church and youth group. Her hobbies include swimming, bowling, and baking.

Debbie is planning a business oriented career.

She is the daughter of William and Elsie Capp.

Debbie L. Capp

MICHAEL P. ZELLER
Upper Dauphin
Area High School

Michael P. Zeller, president of the Upper Dauphin Area FFA Chapter, will receive the Keystone Degree during special ceremonies at the State FFA Convention in Harrisburg.

Michael is the 17 year old son of Warren and Diane Zeller of R1 Elizabethville

During his four year membership in FFA, Michael has worked for a large poultry complex He also had a swine finishing project, and a Wildlife Conservation project.

Michael has experience in both carpentry and landscaping. He has completed one floor of a home and landscaped the area outside the home.

Michael's list of committee memberships is extensive. He has worked to improve crop production, assisted the school administration, helped the local community, worked on leadership training, planned the National FFA Week programs and attended the state convention.

As a freshman, Michael won the county tractor driving contest and placed third in a poultry contest.

He earned a swine finishing award in his sophomore year and took sixth place in a place speaking contest.

He placed sixth in the regional public speaking contest and earned the Chapter award during his junior year.

Michael P. Zeller

This year he placed eighth in a dairy judging competition

Michael plans to develop a partnership in a Poultry Equipment and Security Alarm System business after graduation

LEONARD R. WALDRON
Upper Dauphin
Area High School

Leonard R. Waldron, the 18 year old son of William and Lucia Wismer, R1 Elizabethville, will continue working on a dairy farm after graduation. Although, he has a long range goal to become a mechanic.

Leonard R. Waldron

Leonard is a member of the Upper Dauphin FFA Chapter. In his junior year he served as Chapter historian. This year he is the Chapter treasurer.

His interest in the dairy has resulted from his participation in the work experience program He has worked on a dairy farm

In addition to the dairy project, Leonard has a swine finishing and breeding project.

Leonard's awards included a second place finish in the county dairy judging contest and a fourth place in the area parliamentary procedure contest. He earned the Dekalb Agricultural Achievement Award and was chosen the Star Chapter Farmer

Leonard has competed in the livestock judging, project book, local safe tractor driving, and the area Small Gas Engines Trouble Shooting contests.

He is a member of the Upper Dauphin High School's National Honor Society and Archery Club.

Franklin County

RONALD C. HOLTRY
Chambersburg Area
Senior High School

Ronald C. Holtry, the 17 year old son of Mr. and Mrs. Charles L. Holtry of Brethren Church Road, Newburg, has been chosen to receive the Keystone Farmer Degree.

A four-year member of the Chambersburg FFA Chapter, Ron was placed as star agribusinessman last year in 11th grade.

During his FFA membership, Ron has served on many committees, including Budget and Finance, Refreshment, Sales and Incentive Awards, Parent-Member Banquet, Recreation, Van and Keep Administration.

He was Chapter treasurer in ninth grade, and has received both the Greenhand and Chapter Farmer degrees in addition to the Keystone Farmer degree.

Ronald L. Holtry

Ron enjoys riding motorcycles and horses.

Ron's plans for the future are to buy a farm and raise beef He also plans to help his brother Jeff on his dairy farm. The Holtry brothers hope to own two neighboring farms. They plan to have a milking parlor in about 10 years.

LARRY D.
ROSENBERRY JR.
Chambersburg Area
Senior High School

Larry D. Rosenberry Jr., president of the Chambersburg FFA Chapter, has been named to receive the 1980 Keystone Farmer Degree at the State FFA Convention Jan. 9.

He is the 17 year old son of Mr. and Mrs. Larry D. Rosenberry Sr., of Star Route 3, Shippensburg.

Larry served as Chapter secretary for three years before being named president. His FFA projects and committee memberships include Swine Breeding, Greenhand Initiation, Seed Sale, Fruit Sales, Swine Ring, Dairy

(Turn to Page D35)

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30 x 40 x 12' to Sq.
PAINTED STEEL ROOF & SIDES
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Guide to 1980 Farm Show

GENERAL INFORMATION

Location

The Farm Show Building is located at Cameron and Maclay Streets, Harrisburg. Farm Show direction route markers, with plow design, are placed on all main arteries in Harrisburg area.

Admission

Admission is free to the Pennsylvania Farm Show and all its activities. The Show is open to the public Sunday, from 1:00 p.m. until 5:30 p.m. Monday thru Thursday 8:00 a.m. until 9:00 p.m., Friday the show closes at 4:00 p.m.

Parking

A public parking fee of $1.00 per car will be charged.

City Bus Routes

The Farm Show Buildings may be reached by Capitol Area Transit buses listed below. Fares are 35 cents with a 5 cent transfer change. Big "40" and Ten Ride Tickets are acceptable. Request transfer when paying fares. Exact fare is requested, operators carry no charge.

Route F.S. — Every 20 to 30 minutes from 7:00 A.M. until 9:00 A.M. then 60 minutes till 10:30 A.M. — then 30 minutes until 6:00 P.M. — 40 minutes until 10:00 P.M.

Route City Island — To Market Street to 5th Street to Walnut to Commonwealth to Forster to Herr to Cameron to Farm Show — RESERVE INBOUND.

Route #6 — Buses from 6th & Vaughn, South on 6th Street to Aberdeen Street to Market Street from Market Street and Court Street via Market Street to 5th Street to Walnut to Commonwealth Avenue to 6th Street to Vaughn. Discharging passengers at 6th & Maclay Street for Farm Show Building, which is East on Maclay Street — Approximately two (2) blocks.

Food Service

A cafeteria, seating 600, is located on the second floor above the west lobby of the Main Show Building. Service is continuous throughout the Show. Lunch bars and portable sandwich and milk dispensing units are located at various points throughout the buildings.

First Aid

A first aid station, operated by the Pennsylvania Department of Health, is located on the Lower Concourse of the Large Arena adjacent to the Home Economics area. Doctors and nurses are on duty at all times throughout the show. No charge is made for service.

Lost and Found

Lost and found items (and children) are handled by the Pennsylvania State Police at their booth, rear center of Main Exhibition Hall.

Farm Show Office

The main office of the Farm Show Building is located on the second floor front of the Main Show Building It is open the year-round to accommodate the many activities scheduled on the Farm Show premises.

No Smoking

By order of the Pennsylvania Department of Labor and Industry and the Harrisburg Fire Marshal a No Smoking rule will be strictly enforced.

Smoking permitted in designated areas only.

DAILY SCHEDULE

Sunday Afternoon, January 6

12:00 — Judging Carcass Lambs - Small Arena.
1:00 — Judging Dorset - Small Arena.
2:00 — *Judging Hampshire* - Small Arena.
3:00 — Judging Suffolk - Small Arena.

Monday Morning, January 7

8:00 — Judging starts in all Departments, except where special hours are indicated.
8:00 — *Judging Shropshire* - Small Arena.
8:00 — Judging Chester Whites - Small Arena.
8:00-5:30 — Vocational Demonstration Contests, Pennsylvania Room - Large Arena Building.
8:30 — Christmas Tree Growers Association Meeting, Sheraton Motor Inn.
8:30 — Future Farmers of America Executive Council Meeting, Holiday Inn Town.
9:00 — Judging Belgian & Clydesdale - Large Arena.
9:00 — Judging Poland Chinas - Small Arena.
9:00 — Judging Cheviot - Small Area.
9:30-5:00 — Future Homemakers of American homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.
10:00 — Society of Farm Women, Annual Convention, The Forum, Education Building.
10:00 — Judging Southdown - Small Arena.
10:00 — Judging Duroc - Small Arena.
11:00 — Judging Cornedale Swine - Small Arena.
11:00 — Judging Percheron, Hitch Classes - Large Arena.

Monday Afternoon, January 7

12:00 — Judging Berkshires - Small Arena.
1:00 — Judging Rambouillet Sheep - Small Arena.
1:00 — Master Corn Growers, Meeting Room E, Main Show Building.
1:30 — Future Homemakers of America Executive Council Meeting, Holiday Inn Town.
1:30 — Society of Farm Women reconvenes, The Forum, Education Building.
1:30 — Future Farmers of America Executive Council reconvenes, Holiday Inn Town.
1:30 Judging Yorkshires - Small Arena.
1:30 — Raw Milk Producer-Distributors Association Meeting Room D, Main Show Building.
2:00 — Judging Merino - Small Arena.
2.30 — *Berkshire Breeders* Association Meeting Room C, Main Show Building.
2 30 — Judging Spotted Swine - Small Arena.
3·30 — Judging Landrace - Small Arena. Ayrshire Breeders Association Meeting, Room E, Main Show Building 1 hour after judging is over.

Monday Evening January 7

5.30 — Society of Farm Women, Penn-Harris Motor Inn, Camp Hill
7 00 — Christmas Tree Growers Association Banquet, Sheraton Motor Inn.
7:00 — Cooperative Swine Breeders Association Meeting, Room A, Main Show Building.
7:30 — Secretary of Agriculture's Night - Large Arena.
9:00 Farm Show Building closes.

Tuesday Morning, January 8

8:00 — Judging Guernsey, Brown Swiss & Milking Shorthorn - Large Arena.
8:00 — Judging Vocational Swine Classes, all breeds - Small Arena.
8:00-5:30 — Vocational Demonstration Contests, Pennsylvania Room, Large Arena.
8:30 — Future Farmers of *America, Executive* Council reconvenes, Holiday Inn Town.
9:00 — Future Homemakers of America, Executive Council Meeting, Holiday Inn Town.
9:00 — Christmas Tree Growers Association reconvenes, Sheraton Motor Inn.
9:30 — Society of Farm Women Meeting, Room E, Main Show Building.
9:30-5:00 — Future Homemakers of America homemaking demonstrations. Department of Education Booth. Upper Concourse, Large Arena.
10:00 — Spotted Swine Sale - Small Arena.
11:00 — Percheron followed by Hitch Classes.
11:30 — Poland China Sale - Small Arena.
12:00 — PA Rural Electric, Host Inn.

Tuesday Afternoon, January 8

1:00 — Landrace Assn. Meeting, Room C, Main Show Bldg.
1:00 — Chester White Swine Sale - Small Arena.
1:30 — Future Homemakers of America Executive Council reconvenes, Holiday Inn Town.
2:30 — Berkshire Swine Sale - Small Arena.
2:30 — Chester White Swine Assn. Meeting, Room C, Main Show Bldg.

Tuesday Evening, January 8

4:00 — PA Auctioneers Contest - Small Arena.
6:15 — FFA Band Concert - Large Arena.
6:30 — Dairymen's Association, Annual Banquet, Penn-Harris Motor Inn.
7:30 — Folk Dance Festival and Contest - Large Arena.
8:00 — Horse and Mule Association Meeting, Room D, Main Show Bldg.
11:30 — Hampshire Swine Sale - Small Arena.
12:00 — Judging Charolais - Large Arena.

Wednesday Afternoon, January 9

1:00 p.m. — Judging Shorthorn & Hereford - Large Arena.
1:00 — Charolais Association Meeting, Room A, Main Show Bldg.
1:00 — Future Farmers of America Awards Convention, The Forum, Educational Building.
1:00 — Landrace Swine Sale - Small Arena.
1:00 — Milk Juggers Association Meeting Room C, Main Show Bldg.
2:30 — Yorkshire Swine Sale - Small Arena.
2:30 — Chester White Swine Breeder Assn., Meeting Room D, Main Show Building.
4:30 — Yorkshire Cooperative Association Meeting, Room C, Main Show Bldg.

Wednesday Evening, January 9

4:30 — Lightweight Horse Pulling Contest; Six-Horse Hitch Demonstration; Heavyweight Horse Pulling Contest - Large Arena.
9:00 — Farm Show Building closes.

Thursday Morning, January 10

8:00-11:30 — Vocational Demonstration Contests, Pennsylvania Room, Large Arena Building.
8:30 — Judging Junior Breeding Sheep - Small Arena.
9:00 — Nut Growers Association Meeting, Room C, Main Show Building.
9:00 — Junior Market Swine Show - Small Arena.
9:00-12:00 — 4-H Club Potato and Identification Grading Contest, Room E, Main Show Building.
9:30-5:00 — Future Homemakers of America Homemaking demonstrations, Department of Education Booth, Upper Concourse, Large Arena.
10:00 — Judging Junior Market Lambs - Small Arena.
10:30 — Judging Junior Beef Steer Classes - Large Arena.

Thursday Afternoon, January 10

12:30 — Judging Grand Champion Steer - Large Arena.
1:00 — Maple Producers Council Meeting, Room D, Main Show Building.
1:00 — Junior Lamb Fitting and Showmanship Contests - Small Arena.
2:30 — Judging Grand Champion Steer, Large Arena.
3:00 — Judging Junior Beef Steer Trios - Large Arena.
3:00 — Junior Sheep Blocking and Grooming Contests - Small Arena.
3:30 — Junior Showmanship *Contest- Large Arena.*

Thursday Evening, January 10

6:00 — 4-H Club Horse and Pony Demonstration - Large Arena.
7:30 — Pony Pulling *Contest* - Large Arena.
9:00 — Farm Show Building closes.

Friday Morning, January 11

11:00 — Junior Market Swine Sale - Small Arena.
12:00 — 4-H and FFA Safe Tractor Driving Contest - Large Arena.

Friday Afternoon, January 11

1:00 — Sale of Junior Market Lamb - Small Arena.
2:00 - Sale of Junior Steer - Small Arena.
4:00 — Farm Show closes.

VOCATIONAL AGRICULTURE AND HOMEMAKING PROGRAM

Monday, January 7

8:00-5:30 — Vocational Demonstration Contests, PA Room.
8:30 — Future Farmers of America Executive Council Meeting, Holiday Inn Town.
9:00 — Future Homemakers of America Executive Council Meeting, Holiday Inn Town.
9 30-5:00 — Future Homemakers of America homemaking demonstrations.
1:00 — Master Corn Growers Assn., Room E, Main Show Building.
1:30 — Future Farmers of America Executive Council reconvenes, Holiday Inn Town.
1:30 — Future Homemakers of America Executive Council Meeting, Holiday Inn Town.

Tuesday, January 8

8:00-5:30 — Vocational Demonstration Contests, PA Room.
8:30 — Future Farmers of America Executive Council Meeting, Holiday Inn Town.
9:00 — Future Homemakers of America Executive Council Meeting, Holiday Inn Town.
9:30-5:00 — Future Homemakers of America homemaking demonstrations.
1:00 — Future Homemakers of America Executive Council convenes.
1:30 — Future Farmers of America Executive Council reconvenes.
6:15 — Future Farmers of America Band Concert - Large Arena.

Wednesday, January 9

8:00-5:30 — Vocational Demonstration Contests, PA Room.
8:30 — Future Farmers of America Executive Council reconvenes, Holiday Inn Town.
9:30 — Future Homemakers of America Annual Winter Meeting, The Forum, Education Building.
1:00 — Future Farmers of America Awards, Convention, The Forum, Education Building.

Thurday, January 10

8:00-11:30 — Vocational Demonstration Contests.
9:30-5:00 — Future Homemakers of America

(Turn to Page D29)

Exhibitors List - 1980 Farm Show

(Continued from Page D21)

Tatge Chemical Co., Herington, KS	D23 & D24
Terre Hill Sio Co., Terre Hill	P28 & P29
Todd Farm Equip., Inc., Chesapeake, VA	655 to 660 incl.
Top Line Corp., Bradford	304 & 303
Tractor Supply Co., Harrisburg	142C & 142F
Troyer Mfg. Co., Smithville, OH	716 & 717
Todd Hybrid Corn Co., Abbottstown	573 & 574
Tri County Relief Committee, Akron	L3 Lg Arena
Umbaugh Pole Bldg. Co., Inc., Hanover	38
University of Penna. Vet School, Philadelphia	D34
Van Dusen & Co., Inc., Wayzata, MN	P24 & P25
Vicon Farm Machinery, Inc., Chesapeake, VA	P13 to P20
Vigortone Prod. Co., Paradise	D33
WBYO 107.5, Boyertown Broadcasting Co., Inc., Boyertown	M/F
Wenger Farm Equipment, Myerstown	78 & 79
Weaver, R., Carlisle	233
White Farm Equip., Co., Oakbrook, IL	194 to 207 & 208 to 218
Wickes Buildings, Argos, IN	234 & 235
Williamstown Irrigation, Inc., Williamstown, NY	699, 700, 701, 702
Winnie, F. W & Son, Inc., Philadelphia	262B & 263
Winpower Mfg. Co., Newton, IA	517 & 518
Woodhouse, J. S., Co., Inc , West Springfield, MS	143-144, 162-164, 169-171, 188-190
Worley Nurseries, York Springs	575
Wyant, Wayne R., New Bethlehem	130 to 135 incl.
Young's Inc., Roaring Springs	696 - 697
Zero Mfg. Co., Washington, MO	
Zook & Rank, Inc., Gap, PA	407 & 420
	514 & 515

Commodity Groups

PA State Vegetable Growers Association, R D. #2, Box 512, Northumberland, PA 17857
PA State Mushroom Growers Cooperative, P O Box 375, Kennett Square, PA 19348 c/o Anthony Citino
PA State Horticultural Assn , Loganville, PA 17342
PA Cooperative Potato Growers, Inc , 25 North Progress Ave., Hbg., PA 17109
PA Dairymen's Assn , P O Box 458, Camp Hill, PA 17011
PA Livestock Assn., c/o Jesse Smith, Agway, Box 2323, Harrisburg, PA 17105

Guide to 1980 Farm Show

(Continued from Page D28)

homemaking demonstrations Upper Concourse, Large Arena.

Friday, January 11

12:00 — 4-H and FFA Safe Tractor Driving Contest - Large Arena.

4-H CLUB PROGRAM

4-H Club Headquarters, Room 107, Lower Concourse, West Side, Large Arena Building.

Thursday, January 11

9:00-12:00 — Potato Grading and Identification Contest, Room E, Main Show Building.

6:00 p.m. — Horse and Pony Demonstrations - Large Arena.

7:30 — Pony Pulling Contest - Large Arena.

EVENING FEATURES LARGE ARENA

Monday, Evening — 7:30
SECRETARY OF AGRICULTURE'S NIGHT

Tuesday Evening
MASTER FARMERS' NIGHT

6:15 — Future Farmers of America Band Concert, Dr. Ned C. Diehl, Director, The Pennsylvania State University.

7:30 — Folk Dance Festival and Contest, Joseph R. Cardenuto, Director, The Pennsylvania State University.

Groups participating:

Division A — Under 17 years of age.

Division B — Between 15 and 25 years of age.

Division C — Any age or combination of ages.

Wednesday, Evening — 4:30

Lightweight Horse Pulling Contest

Six-Horse Hitch Demonstration

Heavyweight Horse Pulling Contest

Thursday Evening — 6:00

4-H Horse and Pony Demonstration by Cumberland County 4-H Horse and Pony Club

Pony Pulling Contest

No Program Friday Evening

Show Closes 4:00 P.M.

ASSOCIATION MEETINGS
PENNSYLVANIA AYRSHIRE BREEDERS ASSOCIATION
Tuesday, January 8

3:00 p.m. — Room E, Main Show Bldg. Business Meeting.

Speaker: J. Douglas Dodda, Executive Secretary, Ayrshire Breeders, Assn., Brandon, Vt.

PENNSYLVANIA BERKSHIRE BREEDERS ASSOCIATION
Monday, January 7

2:30 p.m. — Business Meeting, Room C, Main Show Building.

Speaker: American Berkshire Association Secretary.

PENNSYLVANIA CHESTER WHITE SWINE BREEDERS ASSOCIATION
Tuesday, January 8

2:30 — Business Meeting, Room C, Main Show Building.

PENNSYLVANIA CHRISTMAS TREE GROWERS ASSOCIATION
37th Annual Winter Meeting

Sheraton Motor Inn Harrisburg

Sunday, January 6

4:00 p.m. — Directors Meeting.

Monday, January 7

8:30 a.m.-5:00 p.m. — Registration; Educational Sessions.

7:00 p.m. — Banquet.

Tuesday, January 8

9:00 a.m.-12:00 Noon — Business Meeting and Technical Sessions.

PENNSYLVANIA CHAROLAIS ASSOCIATION
Wednesday, January 9

Meeting Room B, Main Show Building, One Hour After Show.

PENNSYLVANIA YORKSHIRE COOPERATIVE ASSOCIATION, INC.
Wednesday, January 9

4:30 p.m. — Room C, Main Show Building Annual Meeting and election of directors and officers.

Address — Representative from American Yorkshire Club.

PENNSYLVANIA DAIRYMEN'S ASSOCIATION
Tuesday, January 8

6:30 p.m — Annual Meeting and Banquet, Penn Harris Motor Inn, Camp Hill.

SOCIETY OF FARM WOMEN OF PENNSYLVANIA
61st Annual State Convention
Monday, January 7

10:00 a.m. — Opening Ceremonies, The Forum, Education Building.

1:30 p.m. — Convention reconvenes.

5:30 p.m — Banquet, Penn Harris Motor Inn.

Tuesday, January 8

9:00 a.m. — Annual Business Meeting, Room E, Main Show Building.

Elections.

FUTURE FARMERS OF AMERICA
Monday, January 7

8:30 a.m. — Executive Council Meeting, Holiday Inn Town.

1:30 p.m - Executive Council Meeting reconvenes, Holiday Inn Town.

Tuesday, January 8

8:30 a.m. — Executive Council Meeting reconvenes, Holiday Inn Town.

Wednesday, January 9

8:30 a.m. — Executive Council Meeting reconvenes, Holiday Inn Town

1:00 p.m. — Annual Awards Convention, The Forum, Education Building.

Concert, State FFA Band

Opening Ceremony.

Address

Conferring Honorary Keystone Farmer Degrees

Presentation of FFA Citations

Presentation of Agriculture Proficiency Awards

Conferring of Keystone Farmer Degrees

Closing Ceremony.

FUTURE HOMEMAKERS OF AMERICA
Monday, January 7

1:30 p.m — Executive Council Meeting. Holiday Inn Town.

Tuesday, January 8

9:00 a.m. — Executive Council Meeting reconvenes.

1:30 p.m. — Executive Council Meeting reconvenes.

Wednesday, January 9

9:30 a.m. — Annual Winter Meeting, The Forum, Education Building

Opening Ceremony

Greetings

Reports

Conferring of Honorary Memberships

Conferring of Encounter Recognition

Closing Ceremony.

PENNSYLVANIA BROWN SWISS ASSOCIATION
Tuesday, January 8

— Business Meeting Room A, One Hour After Show Main Show Building.

PENNSYLVANIA CO-OPERATIVE SHEEP AND WOOL GROWERS ASSOCIATION
Sunday, January 6

7:00 p.m — Business Meeting, Room B, Main Show Building.

THE DRAFT HORSE & MULE ASSOCIATION OF PENNSYLVANIA
Tuesday, January 8

8:00 p.m. — Business Meeting, Room C Main Show Building. Election of Officers.

Wednesday, January 9

10:00 a.m. — Pointers of Showing Draft Horses, Room D.

Speaker: Wm. Howard, Glenn Montgomery and Elmer Lapp. All Horsemen & Women Welcome.

PENNSYLVANIA JERSEY CATTLE CLUB INC.
Wednesday, January 9

Directors Meeting Open to All Jersey Breeders.

1:30 p.m. — Business

(Turn to Page D35)

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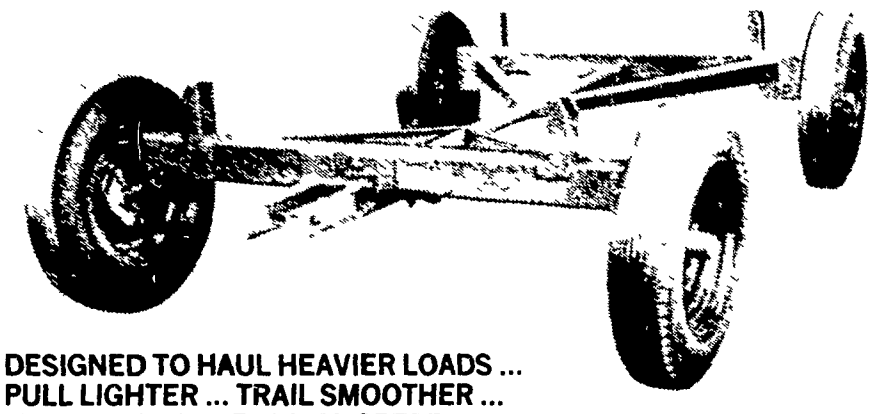

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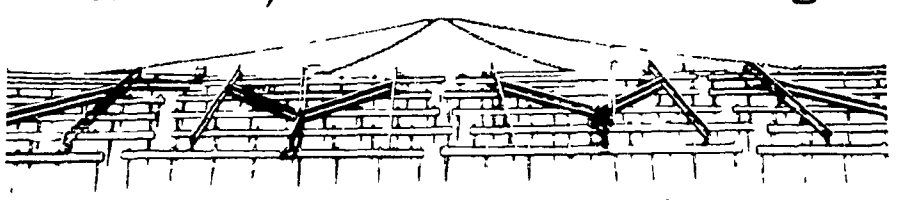

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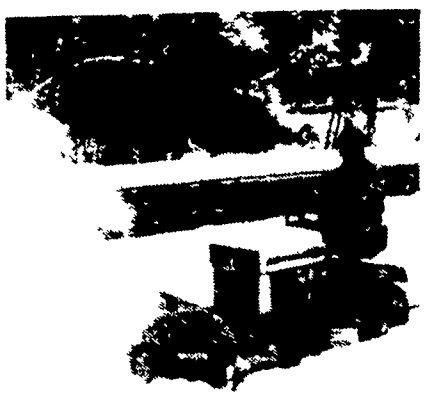

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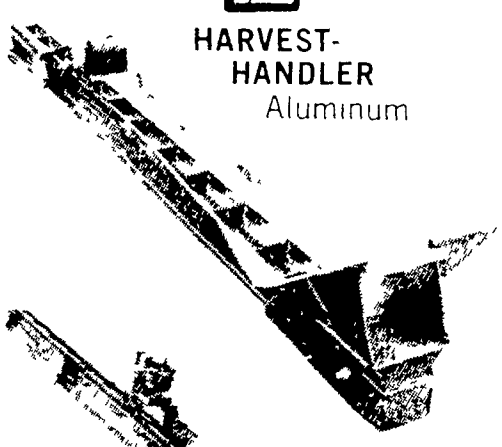

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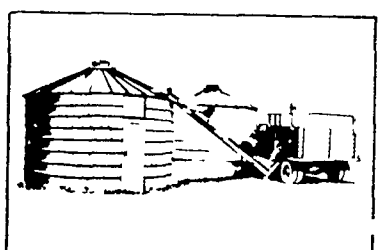

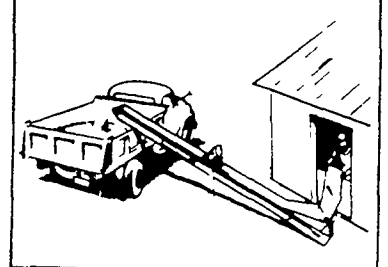

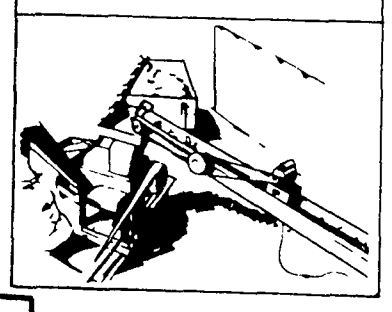

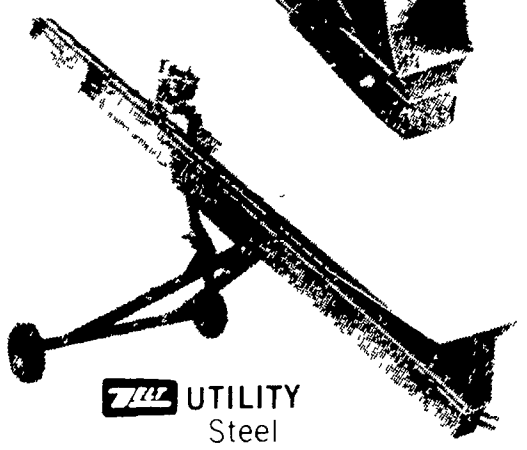

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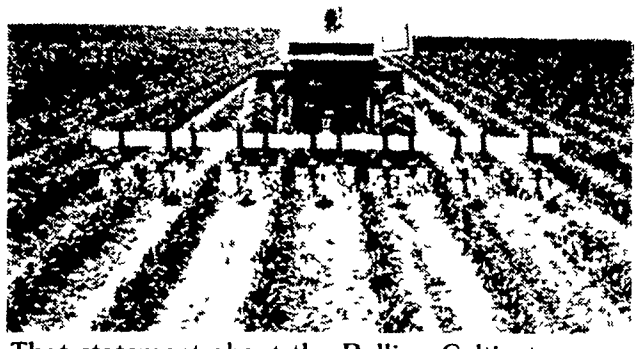

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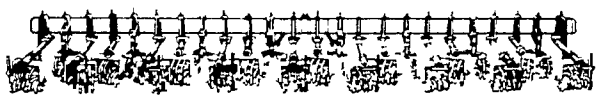

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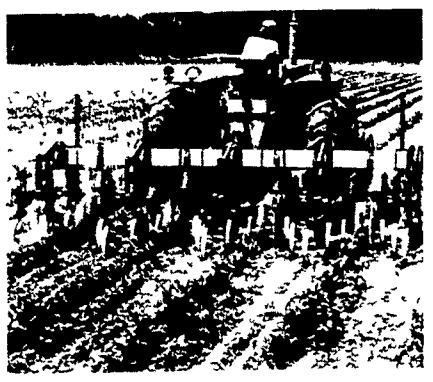

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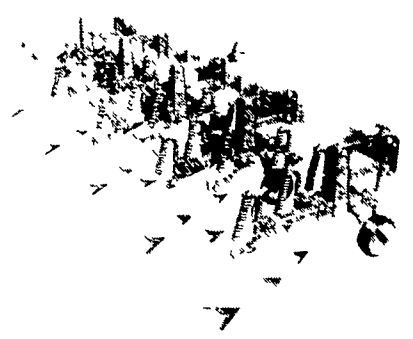
How do you come up with the best? Well what Lilliston did was find out what s wrong with the others

Before building the Levelizer we asked farmers what was good and what was bad about cultivators of this type

They told us all right and on their specifications we put together a heavy-duty tool (probably the heaviest in its class) just like they wanted it

The result is a cultivator that gives you pinpoint control — an easy to adjust machine that's big and tough yeat handles like a lightweight

You ll really like this one



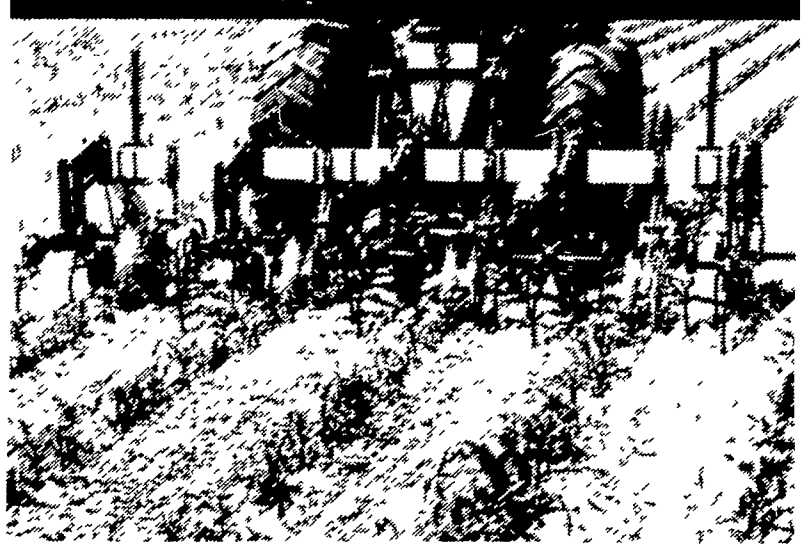
NOW AVAILABLE for CULTIVATORS and BEDDERS

Lilliston Fertilizer Attachments

Featuring

- corrosion-free fiberglass hoppers in 240-pound and 400-pound sizes.
- precision distribution rate controls from 10 to 600 pounds per acre.
- hydraulic drive for bedders and ground-driven or hydraulic drives for cultivators.
- bedder injector knives and cultivator spout holders.

THE DIFFERENCE IN "S" TINE CULTIVATORS?
WAIT TILL YOU SEE THIS ONE



LILLISTON'S NEW *SPEEDALONG* IT

Lilliston's field research revealed that making adjustments on most cultivators took too much time. Things were too complicated.

The Lilliston idea—keep it simple and make it as easy as possible to get very, very precise cultivation

We put it all into a tough, solidly built tool that we think has no comparison when it comes to any "S"-tine cultivators made.

It's not only the newest that we know of, we're sure it's the best. We wouldn't make it any other way

Lilliston CORPORATION

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WHEN IT'S BUILT BY LILLISTON, IT'S GOT TO BE GOOD.

LILLISTON *Quality First* PLANTERS

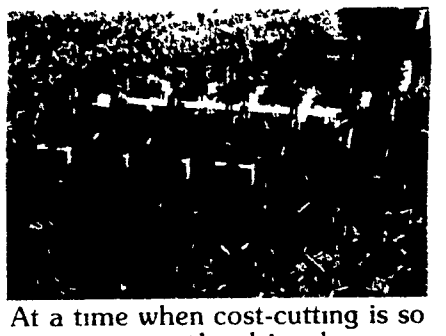
At Lilliston, we're very careful about introducing new products. There's no sense duplicating others—we've got to be sure we're selling a product that's going to give you more for your dollar.

LILLISTON *Quality First* **PLANTERS**

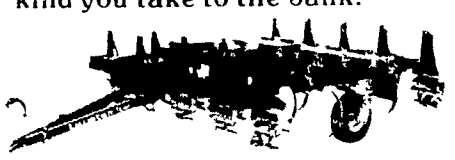
will do just that. With exclusive planting features you won't find on any others, Lilliston Planters can be customized to just about any operation, any soil condition.

TILLAGER®

Is there anything else like it? Not on this earth.



At a time when cost-cutting is so important, the big, brawny Tillager comes on mighty strong. Chopping stalks and residue, ripping plowpans, anchoring moisture-holding mulch into topsoil, the Tillager introduces once-over, one-pass land preperation A real cost-crusher, farmers report savings running into five figures in one year. That's what you call value, the kind you take to the bank.



THE 7600 Series TILLAGER®

features an exclusive three-module interchangeable system that includes:

Front Module: nine 6-bladed steel chopper gangs that crop previous crop and other residue into bits and pieces that decay faster and are easier to work into topsoil

Center Module: three rows of 13 heavy-duty, high clearance chisels break up hardpan, improve water penetration and partially cover crop residue.

Rear Module: nine more chopper gangs reduce clods and slabs to a smooth mulch.

The Tillager puts it all together, combining what were once a number of separate operations into one. It's the greatest get-together yet.

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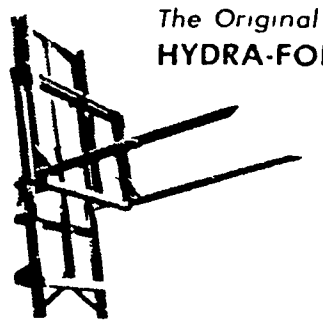
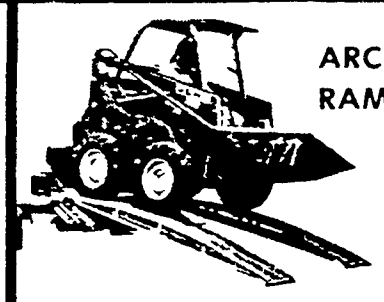
Experience has taught us the farmer's needs. Every Tri-Star product is specifically designed to meet the farm test again and again.

The Original
HYDRA-FORK



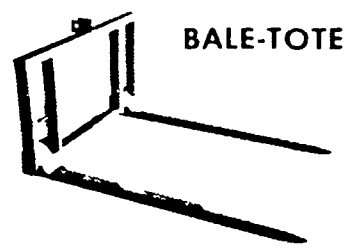
Designed for loading big bales or pallets and available in four models Hydra Fork features Tri Star s easy glide bearing system and is backed by our two year warranty

ARCH RAMP



Engineered for easy loading of skid steer loaders garden tractors snow mobiles golf carts and other small mobile equipment Curved for clearance of underslung attachments Available in 8 to 12 foot lengths with capacities from 1500 lb to 6000 lbs per pair

BALE-TOTE



Five foot tines 43 inch tine width and a 3 000 lb capacity for easy handling of big bales Backed by Tri Star s two year warranty

TOP LINK CYLINDER

Permits complete control of the top link from the tractor seat Ideal for leveling and tilting Works especially well with quick hitches Available in Category II or III

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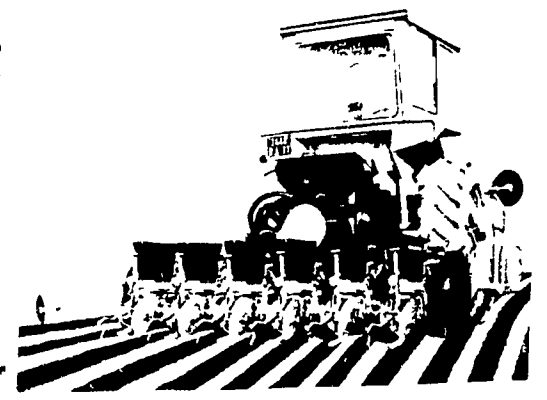
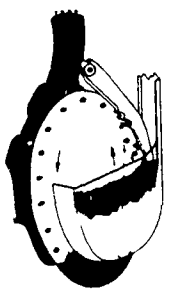
Pneumasem II

The Pneumatic-Precision Seed Drill



- Sow one grain at a time at the right depth at the right intervals
- Sow any type of seed — beet (pelleted and unpelleted) maize (any variety) bean pea leguminous seeds etc — all with the one drill to save you having to invest twice
- Sow all these seeds with care
- Spread a fertilizer or insecticide at the same time
- Sow quickly, accurately and effectively



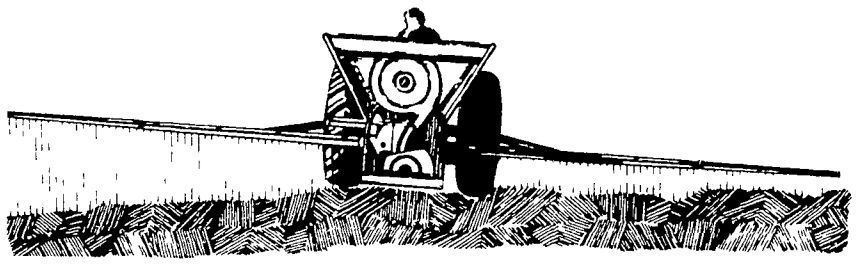
A central fan creates suction in the distributor drum

The seeds are sucked up against the small holes in the distributor disc

The adjustable micrometer screw of the selector mechanism eliminates doubles Distribution of the seeds that are left is monitored by a special metering device

As the holes on the disc emerge from the distributor drum into the space between the coulter blades the seeds fall away into the furrow bottom

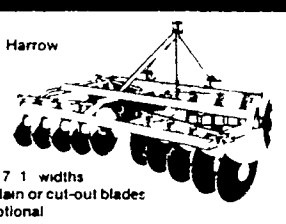
PNEUMATIC DISTRIBUTORS



- For Fertilizers and Granlar Chemicals
- Boom Type 30' and 40' DP9 - DP12 Breakway Type
- Fast-Even Spreading • Precision Metering of Fertilizer
- Pneumatic Conveying Ensures Uniform Flow
- Fertilizer is ejected vertically regardless of wind and ground conditions • Operating speeds up to 6 mph

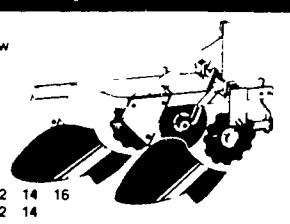
Winners in Category I

Harrow



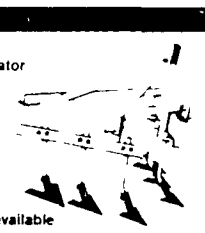
4 5 5 9 7 1 widths
16 or 18 plain or cut-out blades
Scrapers optional

Plow



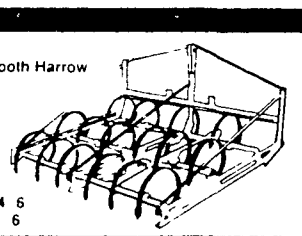
1 Bottom 12 14 16
2 Bottom 12 14

Rigid Shank Cultivator



Shields depth skids
Planter opener kits available

Spring Tooth Harrow

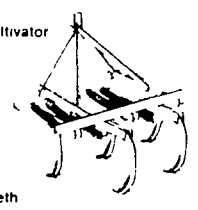


Pull type 4 6
Lift type 4 6

Vibra shank Cultivator

Shields depth skids
Planter opener kits available

Lift type Field Cultivator



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Option Alfalfa Teeth

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(Continued from Page D26)

Calf Ring, Refreshment, Roller Skating, Banquet, Dues, Van and Fair Committees.

Larry D. Rosenberry, Jr.

Musically talented, Larry is a member of the Chambersburg Area Senior High Glee Club, and was a member of the Mongul United Brethren Choir.

He is also a member of the Franklin County Lurgan Community 4-H Club, but still finds time to enjoy hiking, camping and working on science projects.

Larry's plans are to become a successful Future Farmer of America.

GWEN A. KENNEDY
Greencastle Antrim Senior High School

Eighteen year old Gwen A. Kennedy of R3 Greencastle has been selected to receive the Keystone Farmer Degree.

The daughter of Norman and Grace Kennedy, Gwen is in her fourth year of membership with the Greencastle FFA Chapter.

She has been Chapter president for the past two years and served as Chapter secretary during her first two years of FFA membership.

She was named Star Chapter Farmer in 1978-79, County Farmer in 1979 and Franklin County FFA Vice President in 1979-80

Gwen is also in many FFA committees, including citrus fruit, bulb sales, candle sales, vest sales, farm show, Halloween party, float, vocational exhibit, foodstand, initiation, tractor pull, field trip and the Baby Barnyard committees

Gwen A. Kennedy

Among her hobbies, Gwen enjoys swimming, jogging, volleyball, football, basketball, bowling, painting and growing plants.

She is a member of her church choir and volleyball team. Gwen is also active in Youth for Christ and is a member of the Franklin County Tractor Pullers Association.

Gwen plans to attend Penn State for a two-year course in horticulture and eventually work on a dairy farm.

WILLIAM B. STONER
James Buchanan Senior High School

William B Stoner, the 18 year old son of Mr. and Mrs. William Stoner, St. Thomas, Franklin County, has earned the Keystone Degree.

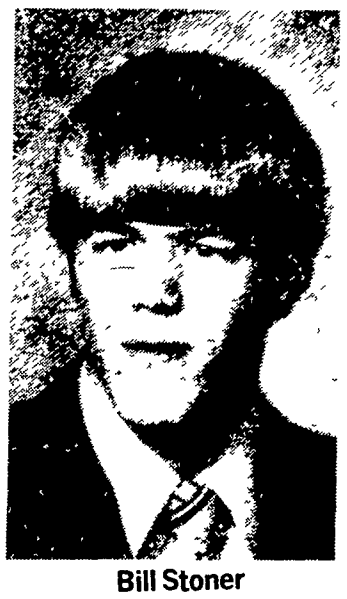
As a May 1979 graduate of James Buchanan Senior High School, Bill has recently joined in a farming partnership with his father and uncle.

The 525 acre farm includes a double six parlor dairy operation and a 120 cow herd.

As a member of the Conococheaque FFA Chapter, Bill's projects included swine breeding, dairy calves, cows and field corn. In 1978, he had the top corn yield in the Conococheaque FFA Chapter.

On the farming operation, Bill is responsible for breeding the herd by artificial insemination

Since 1977, Bill has also done a majority of the field work and milked the cows.



Bill Stoner

GERALD J. REICHARD
Waynesboro Area Senior High School

Seventeen year old Gerald Reichard, son of Mr. and Mrs. Gerald Reichard, 6306 Buttermilk Road, Waynesboro, has been selected to receive the Keystone Farmer Degree.

A four year member of the Blue Ridge FFA Chapter, Gerald has already received the Greenhand, Chapter Farmer and County Farmer degrees. In 1979 he was named Star County Farmer.

His FFA projects include Farmstead Improvement, Tractor Maintenance and Diversified Field Crops, and he has served on his chapter's Sweetheart, Exhibit, Citrus Sales, Donkey Basketball and Banquet committees.

County FFA president during 1978-79, Gerald has received the Chapter service award for three consecutive years. In 1978 he placed first in the county and area Public Speaking contests, and sixth in the regional competition. Last year he again placed first in the

(Turn to Page D36)

Guide to 1980 Farm Show

(Continued from Page D29)

Meeting, Room A, Main Show Building.

PENNSYLVANIA RAW MILK PRODUCER -DISTRIBUTORS ASSOCIATION
Monday, January 7

1:30 p.m. — Business Meeting, Room D, Main Show Building.

PENNSYLVANIA MAPLE PRODUCERS COUNCIL
Friday, January 11

Open to all Maple Producers and Friends
1.00 p.m. — Meeting, Room D Main Show Building.
Introduction of guests
North American MSC Report and International Maple Syrup Institute Meetings.
Report of Ag Progress Days booth.
How to increase syrup production
Status of containers
"Award of Merit" presentation
Council Activities for 1980
Election of officers.

PENNSYLVANIA NUT GROWERS ASSOCIATION
Thursday, January 10

9:00 a.m.-4:00 p.m. — Business Meeting, Room C, Main Farm Show Building.
Educational Program.
1:30 p.m — Meeting reconvenes.
Election of Officers.

PENNSYLVANIA ANGUS ASSOCIATION
Tuesday, January 8

2:00 p.m. — Meeting, Queen Contest, Room, Main Show Building.
6.30 p.m — Social Hour Shindlers Restaurant, Camp Hill, PA
7.00 p.m. — Banquet.

PENNSYLVANIA RURAL ELECTRIC ASSOCIATION
Tuesday, January 8
Wednesday, January 9

12:00 Noon — Fifteenth Annual Winter Meeting, Host Inn.

PENNSYLVANIA MASTER CORN GROWERS ASSOCIATION
Monday, January 7

1:00 p.m. — Meeting, Room E, Main Show Building. Recognition and Press Conference for Champion Corn Growers in the PA five acre Corn Club.
Speaker: Rep. Paul J. Yahner

PENNSYLVANIA FARMERS MILK JUGGING ASSOCIATION, INC.
Wednesday, January 9

1:00 p.m. — Annual Meeting, Room C, Main Show Building.

PENNSYLVANIA COOPERATIVE SWINE BREEDERS ASSOCIATION
Monday, January 7

7:00 p.m. — Business Meeting, Room B, Main Show Building.
Tuesday, January 8
Swine Sales Sponsorship - Small Arena.
10:00 a.m. — Spotted Swine
11:30 a.m. — Poland China
1 00 p.m. — Chester White
2 30 p.m. — Berkshire
7 00 p.m — Executive Committee, Room C, Main Show Building.
Wednesday, January 9
Swine Sale Sponsorship - Small Arena.
10:00 a.m. — Duroc
11:30 a.m. — Hampshire
1:00 p.m. — Landrace
2:30 p.m. — Yorkshire

PENNSYLVANIA SOUTHDOWN BREEDERS ASSOCIATION
Monday, January 7

2:00 p.m. — Business Meeting, Room A Main Show Building

PENNSYLVANIA SUFFOLK SHEEP ASSOCIATION
Sunday, January 6

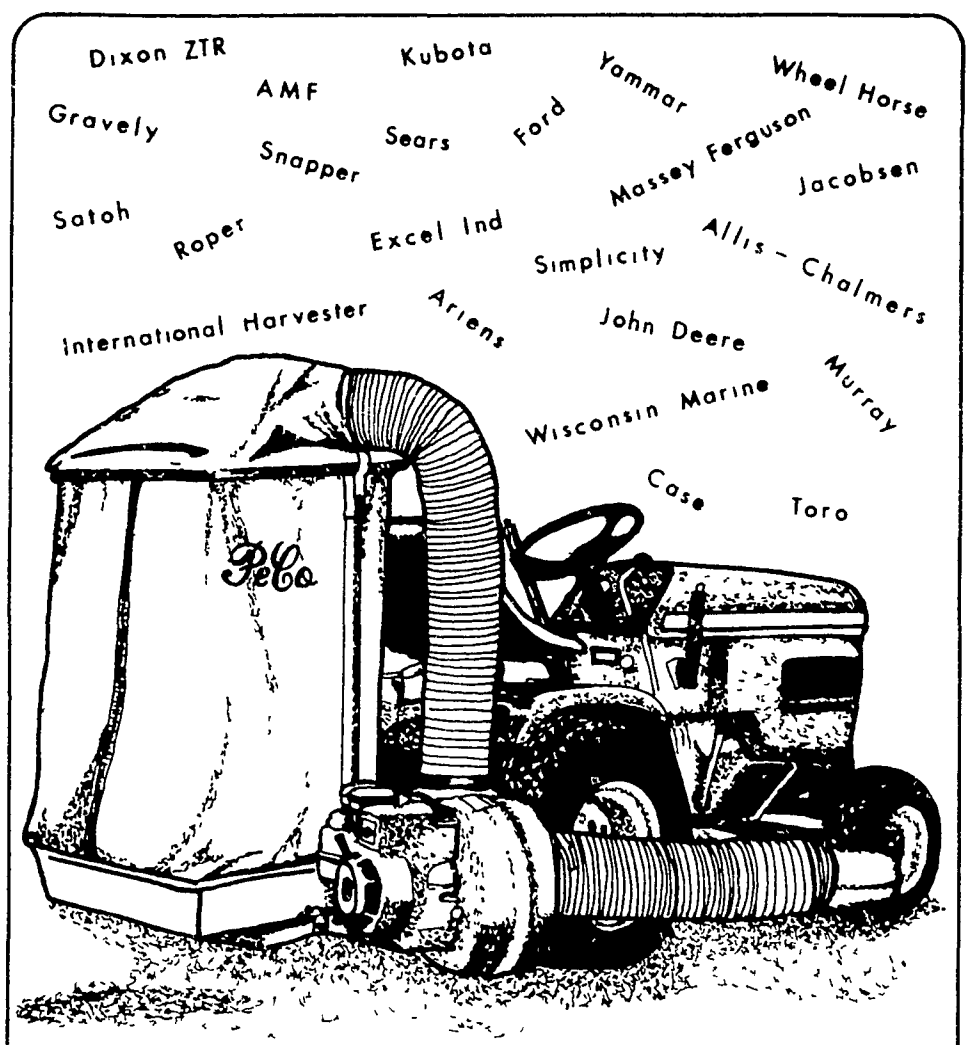
Meeting — West End of Small Arena Following Sheep Judging

PENNSYLVANIA LANDRACE ASSOCIATION
Tuesday, January 8

1:00 p.m. — Business Meeting, Room C, Main Show Building

PeCo

LAWN - VAC
LEAF - MULCHER



PeCo Incorporated manufactures Lawn - Vacuum Leaf Mulchers for practically all lawn and garden tractors

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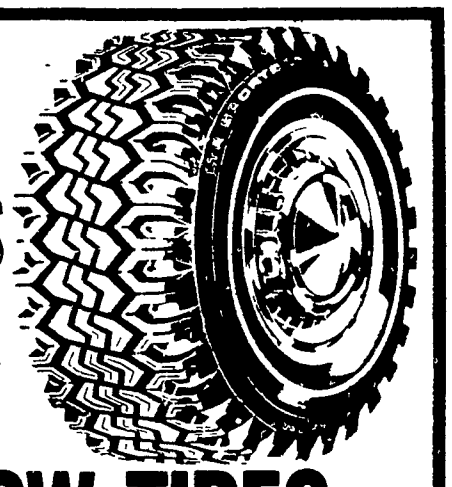

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Lebanon County

(Continued from Page D35)

county and area contests and fifth in regionals.

As a member of the Parliamentary Procedure team, Gerald placed first in the county and fourth in the area. In the State Project Book contest, he received gold for Farmstead Improvement and Tractor Maintenance. In the county contest, his Farmstead Improvement and Tractor Maintenance project books earned him first place and Production, third and fourth in two consecutive years.

Gerald has been active in school as well as FFA. He has served as class president and student council member for the past four years. Co-captain of the senior high football team, he has received the MVP award, Chalfant Award and was named All Conference Linebacker

Gerald is president of the Youth Group at the Grindstone Hill Lutheran Church He is also an active 4-H member and received the DAR Citizenship Award

Gerald J. Reichard

After graduation from high school, Gerald plans to become a candidate for a State FFA office. His plans also include attending Penn State with a major in Agriculture Education and owning a farm.

DOUGLAS L. FAHRNEY
Waynesboro Senior High School

Blue Ridge FFA vice president Douglas Fahrney has been named to receive the Keystone Farmer Degree. He is the 17 year old son of Mr. and Mrs. Donald Fahrney, of Iron Bridge Road, Waynesboro

An active FFA member for four years, Doug's projects have included dairy cows, feeder pigs, beef steers and a dairy heifer.

He has received his Greenhand, Chapter Farmer and County Farmer degrees and has also served as Chapter and County FFA Sentinal.

Doug's agricultural activities are not restricted to FFA. He is also active in the 4-H Beef Club, Dairy Club, Tractor Club and the Franklin County Tractor Pulling Association

His hobbies include buying and selling antique farm machinery.

Doug's future plans are to become a dairy farmer.

Douglas L. Fahrney

ROBERT ARTHUR SHANK
Waynesboro Area Senior High School

Robert Arthur Shank, Briar Ridge Drive, Waynesboro, attended the National FFA Convention in November. This trip to Kansas City, Missouri, was a climax to Robert's four years as a Blue Ridge FFA member

Robert also attended the Franklin County FFA and the State Leadership Conferences.

Robert has entered a variety of floriculture contests in the past three years.

His FFA projects have included home improvement and work experience in floriculture.

This year Robert received the Most Improved Underclassman Award He has also earned the Greenhand, Chapter and County Farmer Degrees.

Presently, Robert is serving as chaplain of both the Blue Ridge FFA Chapter and the County FFA Chapter

With an interest in floriculture, Robert enjoys working outside After graduation, he hopes to find a job in a floriculture related field.

Robert Shank

JESSE A. REICHARD
Waynesboro Area Senior High School

Jesse Reichard, the 17 year old son of Mr. and Mrs. John E. Reichard, of 3920 Pump House Road, Waynesboro, has been chosen to receive the 1980 Keystone Farmer Degree.

President of the Blue Ridge Chapter, Jesse has been an FFA member for the past four years. He is also serving as County treasurer and served as chapter treasurer last year.

Jesse received the Greenhand degree in 1976, the Chapter Farmer degree in 1978, and the County Farmer Degree in 1979. His FFA projects include dairy herd, swine finishing, clover hay, broilers, alfalfa hay, corn, rye, oats and wheat

Jesse Reichard

He has served on the fruit, donkey basketball, float, Baby Barnyard, summer tour and Dairy chair committees

Also active in 4-H, Jesse is a member of the Dairy Club, Home Ec Lucky Leaf, Guilford Community, County Council, Tractor Club, and Baby Beef Club

He enjoys showing dairy animals at fairs and shows and hopes to do it more often after graduation from high school.

Jesse's occupational objective is to continue to farm. He has invested in farm equipment and plans to do custom work as well as continuing the cropping enterprise he has already established. Jesse would also like to continue raising heifers. His brother will milk his cows until he is ready to start a dairy operation of his own.

DAVID BOMGARDNER
Annville-Cleona High School

David Bomgardner is one of three Little Dutchman FFA Chapter members to receive the coveted Keystone Degree

David will be awarded his degree during special ceremonies at the Winter FFA Convention in Harrisburg on January 9.

He is the 17 year old son of Harvey and Mildred Bomgardner, R3 Annville.

In his junior year, David

David Bomgardner

(Turn to Page D37)

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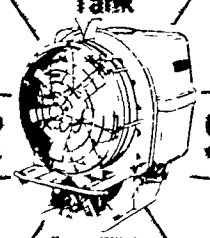

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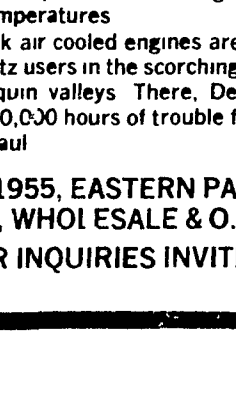

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(Continued from Page D36)

served as the Chapter vice-president.

Presently, he is the co-captain of the Annville-Cleona varsity wrestling team. He is also a member of the National Honor Society.

His FFA projects have included field corn and a 12 head dairy herd.

David is also a member of the Lebanon County 4-H Dairy Club His hobbies include showing dairy cattle at the local, state and national dairy shows

After graduation, David plans to continue working in the field of agriculture

ROBERT KREIDER
Annville-Cleona
High School

Robert Kreider, president of the Annville Little Dutchmen FFA Chapter, has been selected to receive the 1980 Keystone Degree.

Robert is the 17 year old son of Ben and Esther Kreider, R1 Annville. During the past three years, Robert has served as the Chapter chaplain and served two years as the Chapter president. He has also been vice-president of the County Chapter during the past two years

Robert's FFA projects have been numerous The 150,000 broilers, and a beef finishing project consume a major portion of his time

He has also had three grain projects, including corn, wheat, and soybeans

Robert Kreider

Robert was a member of the Annville-Cleona parliamentary procedure team. The team took first place honors in the State competition.

In his three years of FFA membership, Robert earned the Greenhand, Chapter and County degrees. He also received the Chapter Leadership Degree

In addition to FFA, Robert is a member of the National Honor Society. He is active in the church youth group.

His future plans include welding and assisting his father on the farm.

GARY MASE
Annville-Cleona
High School

Gary Mase, the 17 year old son of Mr. and Mrs. Clarence Mase, Colebrook Road, Lebanon, is a member of the Little Dutchman FFA Chapter

His outstanding FFA projects and achievements have contributed to his selection as a 1980 Keystone Degree recipient

During the past four years, Gary has developed a dairy herd project, a swine project and has raised corn and oats.

This year, Gary is the assistant vice-president of the Little Dutchman Chapter He is the alumni chairman and serves on both the citrus and fruit committees

Gary Mase

Gary has been awarded the dairy proficiency award In the state competition, Gary earned a second for his outstanding project book

In addition to his FFA involvement, Gary is quite active in the Lebanon County 4-H Dairy and Livestock Clubs He is also a member of the County Dairy Judging team

Gary plans to expand his Registered Brown Swiss herd and continue to compete in dairy shows

His hobbies include playing softball In the Summer months, Gary plays on his church's softball team

MICHAEL J. BALSBAUGH
Cedar Crest
High School

Michael Balsbaugh, Prescott Road, Lebanon, was nominated to receive the State's 1980 Keystone Degree on January 9.

As the son of Mr. and Mrs Amos Balsbaugh, Michael resides on a 130 acre dairy farm

He owns a dairy herd as his FFA project.

Michael J. Balsbaugh

At the present time, Michael is serving as vice-president of the Cedar Crest FFA Chapter He is also sentinel of the County Chapter.

Michael participated on the parlimentary procedure team for two years. He also entered a FFA public speaking contest.

His outstanding project book, earned Michael a gold medal in the State competition

Michael is a member of the Midway Church of the Brethren His future plans include attending the Williamsport Area Community College He plans to study construction technology

Ron Copenhaver

RON COPENHAVER
Cedar Crest High School

Ron Copenhaver, treasurer of the Cedar Crest FFA Chapter, will receive his Keystone Degree on January 9.

Ron is the 17 year old son of Mr. and Mrs. Jesse E. Copenhaver, Reist Road, Lebanon.

In his four years of FFA membership, Ron has developed his own dairy herd and has fattened hogs.

Corn and alfalfa have also been two of his field crop projects.

One of the highlights of Ron's FFA experiences, has been the opportuntiy to attend a leadership training conference in Washington, D.C.

In the past, Ron has served as chaplain of the FFA Chapter.

He has also served as the chairman of the Supervised Farming Committee, and the Earnings and Savings Committe.

Ron has participated in dairy and livestock judging competitions.

He is a member of the White Oak Church of the Brethren and is active in the youth group.

After graduation, Ron plans to continue to build on his present FFA projects anf farm with his father.

KENNETH C. ARNOLD
Eastern Lebanon
County High School

Kenneth Cyril Arnold, an Eastern Lebanon County High School senior, has earned the State's Keystone Degree.

As the 18 year old son of Mr. and Mrs. John W Arnold, R1 Lebanon, Kenneth is a member of the Elco FFA Chapter.

Kenneth Cyril Arnold

(Turn to Page D38)

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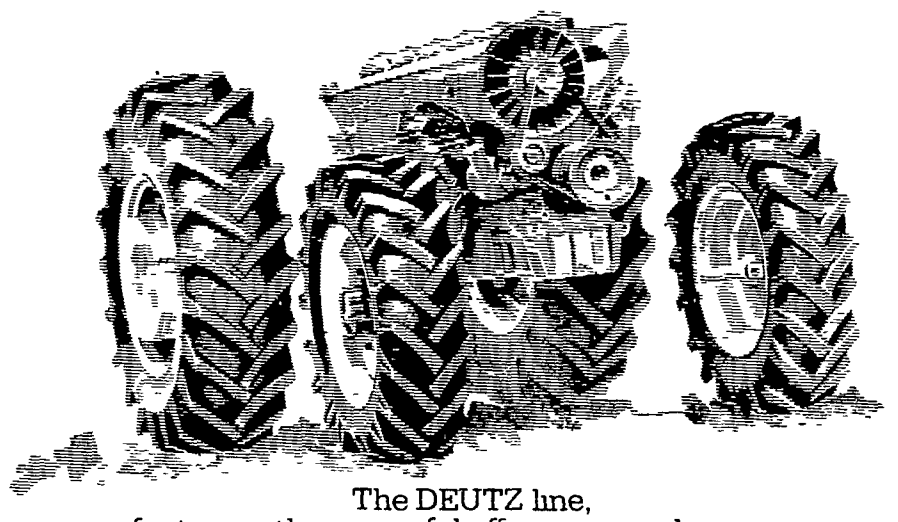

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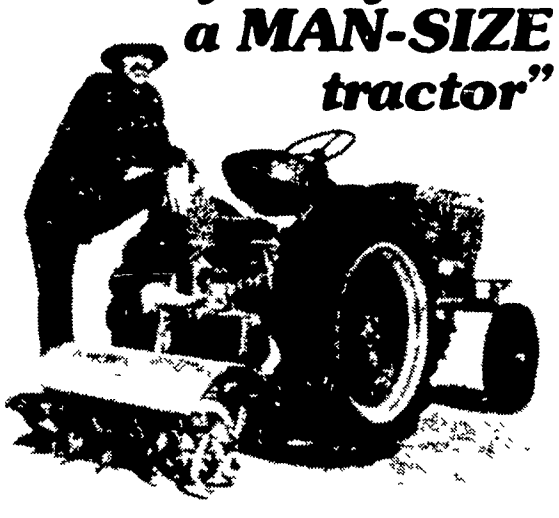

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(Continued from Page D37)

Kenneth has held a leadership position in the Chapter for each of three years. He was chaplain in his sophomore year; reporter in his junior year; and president in his senior year.

Last year, Kenneth was named the local Star Agri-Business student.

Prior to earning the Keystone Degree, Kenneth received the Greenhand and Chapter degrees.

As a FFA project, Kenneth has bought a dairy herd consisting of four Holsteins. He also has a three year old Guernsey cow.

After graduation, Kenneth will continue to work on a farm owned by Ronald Lentz.

BRETT R. EBERLY
Eastern Lebanon County High School

Brett R. Eberly, the 17 year old son of Mr. and Mrs. Raeu L. Eberly will receive the Keystone Degree during special ceremonies on January 9.

The award will be given at the FFA State Convention in the Forum building.

Brett has been a member of the Eastern Lebanon County FFA Club for four years.

Brett is involved with his beef breeding and finishing project. He also has a broiler project. He hopes to build each of these projects into his own operation in the future.

The beef and broiler operations have been supported by the corn, hay, wheat, barley and oats Brett has raised in his FFA program.

He was named the Star Chapter Farmer, Star County Farmer, and has earned both the beef and poultry production awards.

Presently, Brett is serving as the County treasurer, and is president of the Elco FFA Chapter.

Brett was the treasurer, and assistant chaplain of his Chapter.

Brett is also the president of the Fort Zellers 4-H Club, and is a member of the Lebanon County 4-H Livestock Club.

In his spare time, Brett likes to hunt, fish and trap animals.

Brett R. Eberly

Susan L. Heilinger

SUSAN L. HEILINGER
Eastern Lebanon County High School

Susan L. Heilinger, Lebanon County FFA president, will receive her Keystone Degree at the FFA Winter Convention next week.

She is the 16 year old daughter of Mr. and Mrs. Richard Heilinger of R2 Newmanstown.

As a four year member of the ELCO FFA Chapter, Susan has been the Chapter secretary and vice-president. She has also served as the County Secretary.

Her list of FFA honors includes Star Greenhand, Chapter Farmer, the County Production Credit award, and dairy and crop production awards. She has earned Home and Farm Improvement, and Ornamental Horticulture honors.

Susan has participated in the State FFA Band for three years.

Her FFA projects have included veal calves, a dairy calf and dairy cows. She has also produced corn and hay field crops as an FFA

In addition to her FFA involvements, Susan is active in the 4-H Clubs in Lebanon County.

She is the treasurer of the Elco Dairy 4-H Club, secretary of the Fort Zeller 4-H Club, and vice - president of the Lebanon County 4-H Teen Council.

Susan is a member of the American Guernsey Cattle Breeding Association and serves as secretary of the Lebanon County Junior Holstein Club.

In 1978, Susan became a member of the Who's Who Among American High School Students.

Next Fall, Susan will be attending Penn State University, Berks campus, majoring in General Agriculture.

Denise N. Krause

DENISE KRAUSE
Lebanon County Vo-Tech School

Denise Krause is ambitious. She has already begun her own independent business as a wedding floral designer.

Denise studied the horticulture at the Lebanon County Vo-Tech School.

As the Chapter's FFA member, Denise has been recognized as the Star Horticulturist.

Her awards have also included the Dekalb Award, and she has taken first place in the State's Conservation Public Speaking Contest.

In addition to having her own business, Denise's FFA projects included landscape design and participation in the Youth Conservation Corps She worked one Summer as a leader of this Corps.

Denise is looking forward to opening her own business on a larger scale after graduation.

Denise is the 18 year old daughter of Mr. and Mrs. Dennis Krause of Mt. Gretna.

MARILYN DEAVEN
Northern Lebanon High School

Marilyn Deaven is the 17 year daughter of Mark and Marie Deaven, R1 Fredericksburg.

Marilyn Deaven

(Turn to Page D40)

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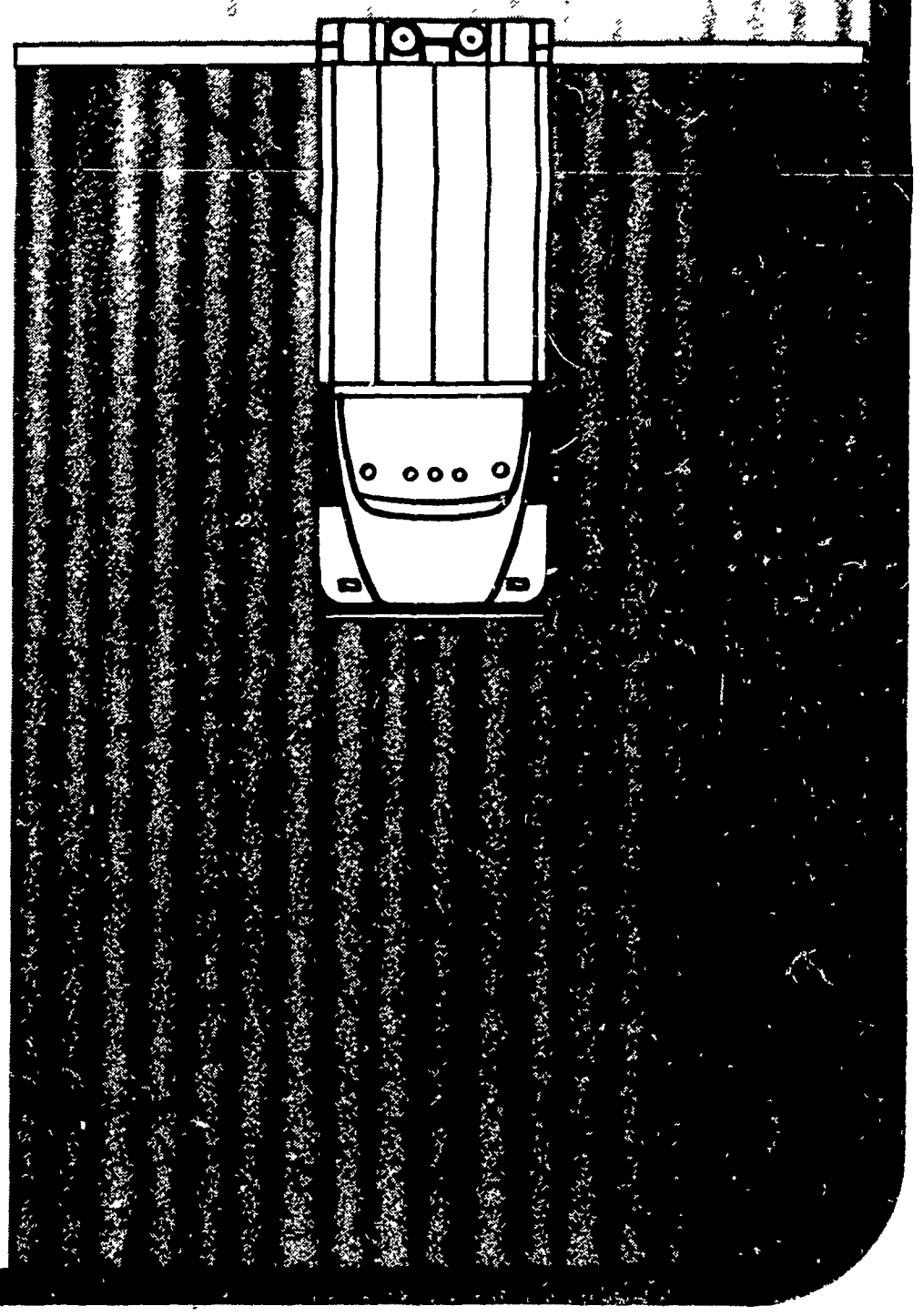

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(Continued from Page D38)

As a senior at Northern Lebanon High School, Marilyn is active in the Norlebco FFA Chapter.

In her four years of membership, Marilyn has served as chairman of the scrapbook and fund raising committees.

She is Norlebco's Chapter secretary and the County FFA reporter.

Marilyn's FFA projects have included market and breeding swine. She has exhibited Poland China hogs at local shows and at the Keystone International Livestock Exposition.

In addition to swine, Marilyn has raised dairy heifers for a project.

Her involvement with agricultural organizations has not ended with FFA. She is a member of the Norlebco 4-H Dairy Club and the Lebanon County 4-H Livestock Club. She also belongs to the Tri-County Pork Producers.

Paul E. Gibble

PAUL ERIC GIBBLE
Northern Lebanon High School

Paul Eric Gibble is the 18 year old son of Harry and Naomi Gibble, of Kenbrook Road, Lebanon

Paul's FFA projects have included laying hens, and sweet corn. His outstanding project book resulted in his earning a gold medal at the state project book competition.

His leadership positions have included membership on the safety committee entertainment committee, and student advisor

Paul is a member of the parliamentary procedure team.

In addition to the Keystone Degree, Paul has earned the Greenhand and Chapter Farmer Degrees.

Paul participates on the Norlebco football and track teams. He also was a cast member in last year's Junior Class Play.

Paul plans to work at a feed mill and eventually buy his own chicken house and farm.

SCOTT MONROE RITCHIE
Northern Lebanon High School

The Lebanon County FFA President, Scott Monroe Ritchie, will receive the Keystone Degree in January 9 at the State FFA Convention.

Scott's primary FFA project has included on farm work experience.

He has also worked at the Rigid Ply Rafters in Lebanon and will continue to work their after graduation.

In addition to being the County President, Scott has been the chaplain, assistant secretary. and vice-president of the Norlebco FFA Chapter.

Scott has earned the Star Greenhand, Chapter Farmer and County Farmer degrees

He has been a member of the parliamentary procedure team for the past four years. This year he serves as president of the team.

Scott is a member of the varsity wrestling team and participated on the football team this past year.

Lehigh County

TODD A. CARY
Lehigh County Vo-Tech

Todd A. Cary, the 17 year old son of Mr. and Mrs. James Cary, will be returning to Harrisburg from Illinois on January 9 to receive his Keystone Degree.

In recent months, Cary has moved with his family to Illinois. However, while living in Lehigh County he worked hard as a member of the Lehigh County Vo-Tech's Chapter.

He was president of the county chapter and served as a reporter the year before.

Todd's FFA projects included dairy heifers. He participated in the State Farm Show in 1978, and the Allentown and Kutztown Fairs.

While a FFA member, Todd earned the Star Greenhand award. He participated on the livestock and dairy judging teams.

In addition to his FFA involvement, Todd exhibited a 4-H project steer.

Since he presently resides in Illinois, Todd plans to attend Illinois State University and major in agriculture production.

DONALD HAAS
Lehigh County Vo-Tech

Donald Haas, a member of the Lehigh County FFA Chapter, has been chosen to receive the Keystone Farmer Degree. He is the 18 year old son of Mr. and Mrs. Allen Haas, of R2 Orefield.

During his three years of FFA membership, Donald has participated in the Allentown Fair, the Kutztown Fair, the Southeast Area hog round-up, Penn State Days and the Farm Show.

Among his FFA projects are breeding swine and market swine; and the grain projects corn, oats and buckwheat.

Donald was awarded Greenhand in 1977, Chapter Farmer in 1978 and served as Farm Show Student Advisor in 1979. He also received a bronze medal in the Market Swine Project Book.

An avid sportsman, Don enjoys hunting, fishing and snowmobiling. He is also a wrestler with the North Western Lehigh Team.

Donald R. Haas

Donald is active in the 4-H Livestock Club, and has served as president and treasurer of the 4-H Swine Club.

In the future, Don plans to own his own farm and have a breeding and marketing swine operation. He would also like to sell seed corn for one of the seed companies.

RONALD HAAS
Lehigh County Vo-Tech

Lehigh County FFA Vice President Ronald Haas will receive the Keystone Farmer Degree at the State FFA Convention in Harrisburg on January 9.

The son of Mr. and Mrs. Allen Haas of R2 Orefield, 18 year old Ron has been a member of the Lehigh County FFA for three years.

Ronald R. Haas

During that time his projects have included market swine, corn and barley. He has participated in the Allentown Fair and the Farm and Home Show.

Ron served as the FFA Orange Sale chairman and is currently the Area Chaplain He has been awarded the Greenhand and Chapter Farmer, as well as the Swine Proficiency Bronze.

A member of the Northwestern Lehigh Wrestling Team for four years, Ron also enjoys snowmobiling and hunting

He served as vice president of the 4-H Swine Club in 1977 and again this year.

Ron's future plans include owning his own corn farm

RUSSELL SCHANTZENBACH
Lehigh County Vo-Tech

Russell Schantzenbach, the 17 year old son of Mr. and Mrs. Russell Schantzenbach of R3 Coopersburg, has earned the 1980 Keystone Farmer Degree.

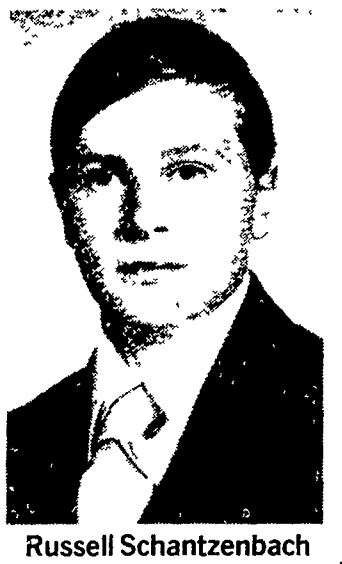
A three year member of the Lehigh County FFA, Russ has participated in the Allentown Fair, the Kutztown Fair, the Southeast Area Swine Show, the Farm Show and Penn State Days.

His FFA projects include dairy heifers, market hogs and corn, wheat and oats. Russ also served on the orange sales committee.

Having already been awarded Greenhand and Chapter Farmer degrees, Russ will receive his Keystone Degree at the State FFA Convention in Harrisburg on January 9.

A volunteer with the Lower Milford Township Fire Company, Russ lists his hobbies as hunting, trapping, fishing and repairing engines.

Russell plans to run his father's farm in the future.



Russell Schantzenbach

TIM WESSNER
Lehigh County Vo-Tech

Eighteen year old Tim Wessner, son of Mr. and Mrs. Harlan Wessner of R2 New Tripoli, will be awarded the Keystone Farmer Degree January 9 at the Forum Building in Harrisburg, during the State FFA Convention.

Tim has been active in the Lehigh County FFA for three years with projects including breeding swine and market swine. He served on

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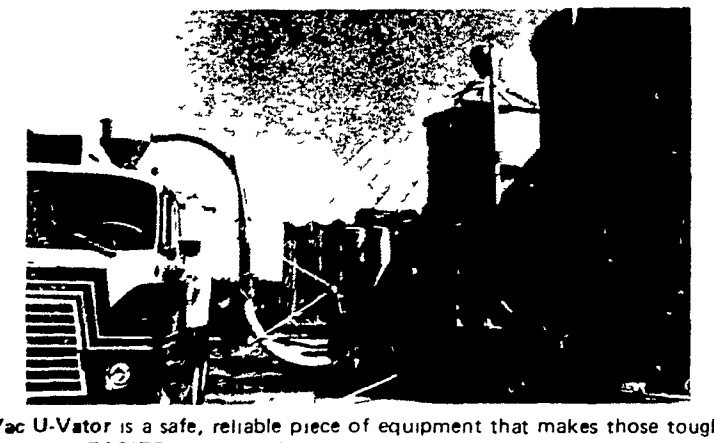

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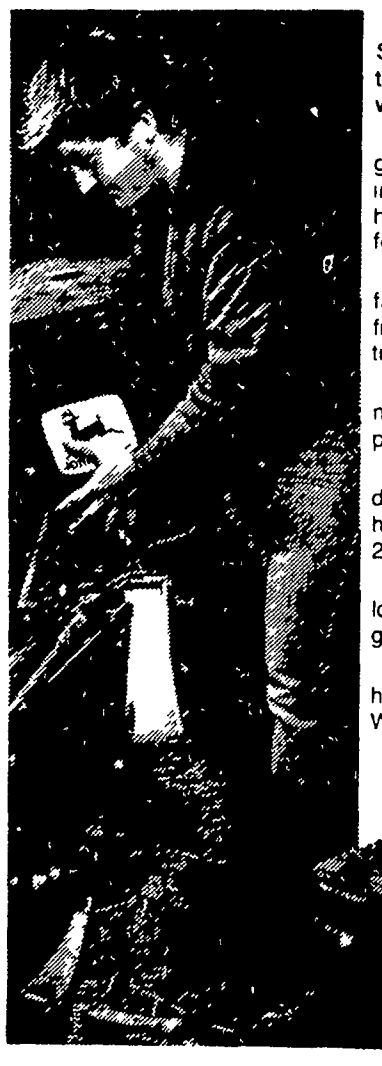

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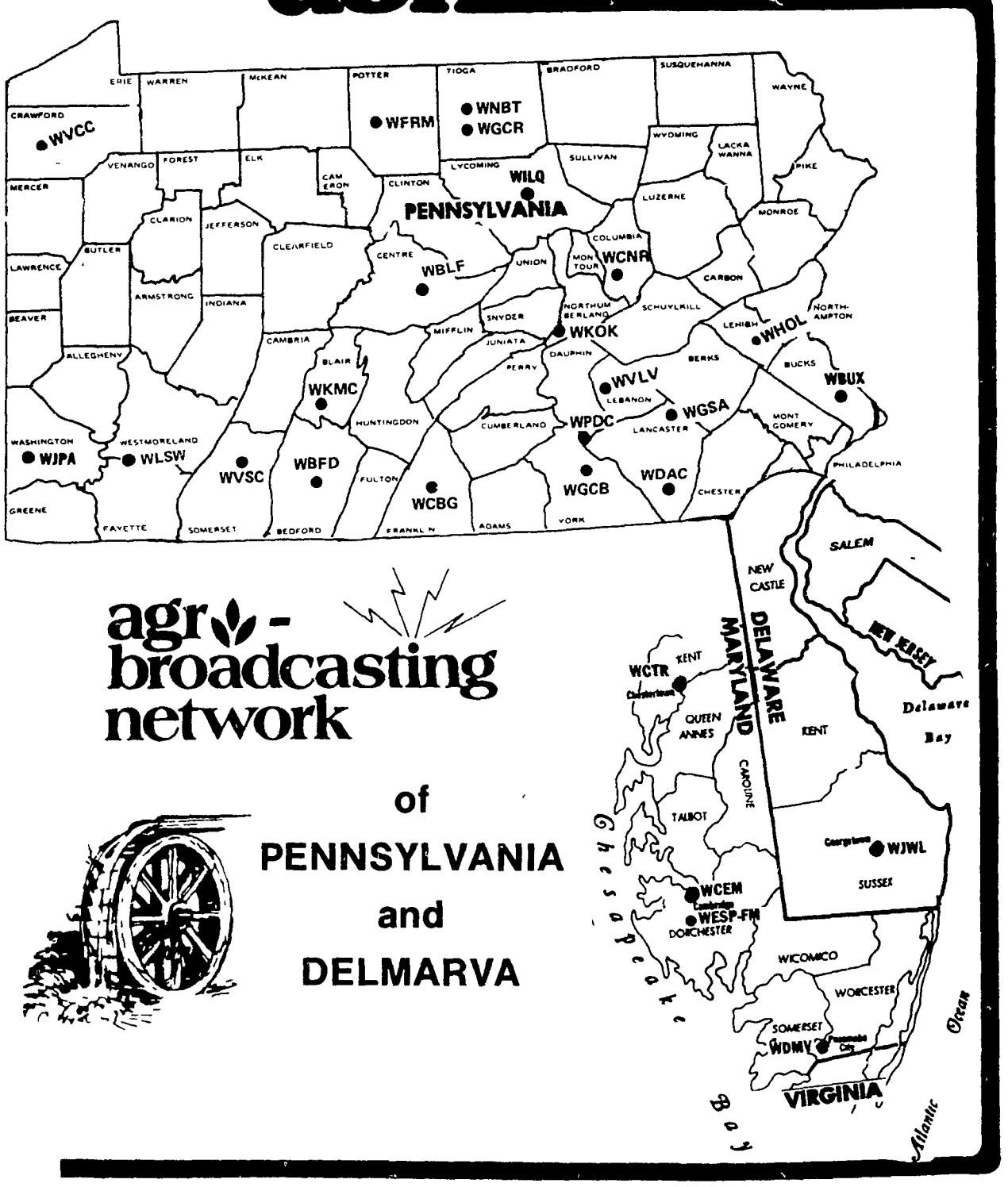

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Perry County

(Continued from Page D40)

the Banquet committee and was chairman of the Chapter's Chicken Bar-B-Que.

Tim also participated in the Allentown Fair, the Kutztown Fair, the State Farm Show, the Southeast Area hog show and Penn State Days.

A Greenhand and Chapter farmer, Tim was an FFA student advisor in 1978 and last year served as sentinal.

Besides his involvement with the FFA, Tim is also very active with the local 4-H. He is currently serving as president of the 4-H Swine Club, as he did in 1977. In the past, he also served as treasurer and vice-president of the Swine Club.

Tim enjoys fishing and hunting. Another of his favorite hobbies is working on cars.

Tim Wessner

JAMES F. TRETTER
Lehigh County Vo-Tech

James F. Tretter, son of Mr. and Mrs. James F. Tretter Sr., of 2007 Second Ave., Whitehall, has earned the Keystone Farmer Degree for his two years of activity with the Lehigh County FFA Chapter.

This seventeen year old FFA member has completed projects with market hogs, breeding swine, home garden, feeder lambs, feeder steer, corn, oats, home improvement and rabbits.

Jim has served as a member of the Farm and Home Show committee, the budget committee, the parent-member banquet committee and the exhibit committee. He also served as chairman of the orange sale and leadership committees.

James F Tretter

An FFA leader, Jim served as Sentinal in 1978 and Chapter and Area President in 1979.

Jim's list of FFA awards is long, including livestock judging (gold), public speaking (gold), parliamentary speaking (gold), creed contest (gold), and quiz bowl (silver).

He received the Greenhand degree in 1977 and Chapter Farmer degree the following year.

His hobbies include livestock judging, showmanship and fitting.

Jim, who is active in the 4-H steer and lamb clubs, also serves as a member of the Student Council and a PAFC alternate.

His plans for the future are to attend college.

CONNIE M. SHOEMAKER
Lehigh County
Vo-Tech

Connie Shoemaker is the 17 year old daughter of Mr. and Mrs. Lewis Shoemaker, R2 Orefield.

At the present time, Connie is participating in the cooperative work experience project at Phoebe Floral Shop, Allentown.

She is president of the Lebanon County Vo-Tech's student council and has been listed among the Who's Who in America's High School Students. She has also been nominated for the Daughter's of American Revolution state award.

Connie has worked on a cooperative basis at Shoemaker's Orchard, which is managed by her father.

In the future, Connie hopes to attend college although her major is undecided.

RICHARD TROUT
Newport High School

Seventeen year old Richard Trout, son of Mr. and Mrs. William H. Trout, of R3 Newport, has been chosen to receive the 1980 Keystone Farmer Degree.

In his four years with the Newport FFA Chapter, Richard has served in various positions of leadership. He is currently serving as President; last year he was vice president and the previous year, he was named Star Greenhand.

Richard Trout

Richard's current FFA project include raising seven acres of corn, five acres of wheat, six acres of barley, seven acres of oats, fifteen acres of soybeans and two hogs.

Richard is a member of the Dairy Foods Committee, the Summer Field Trip committee and is a speaker for the Banquet Committee.

During his FFA career, he has participated in such contests as Dairy Foods, county and state; Soil Judging, county; Tractor Driving, county; Parliamentary Procedure, area and regional; and the Cumberland-Perry Co-op Council one-day institute.

Richard also attended the National FFA Convention the past two years, as well as the 1979 Washington Leadership Conference.

(Turn to Page D43)

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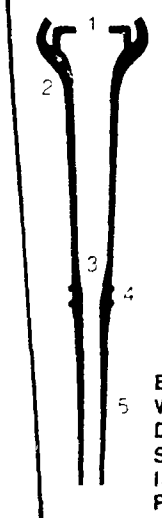

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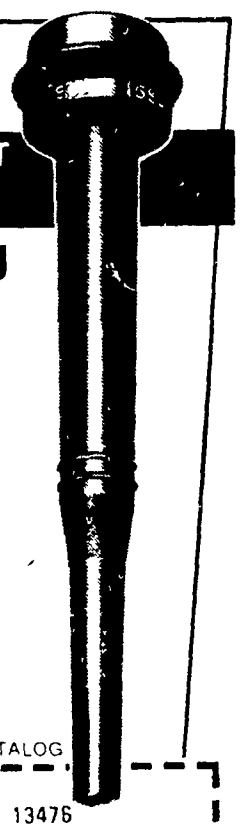

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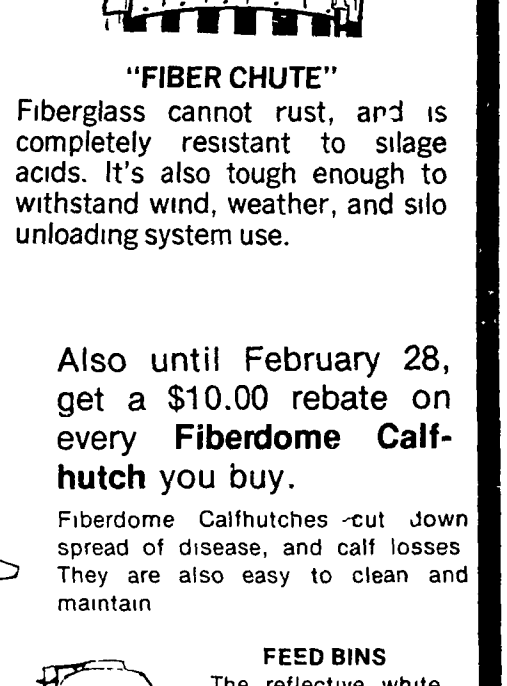

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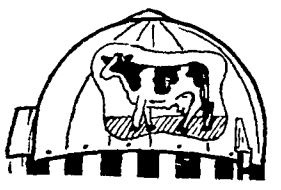

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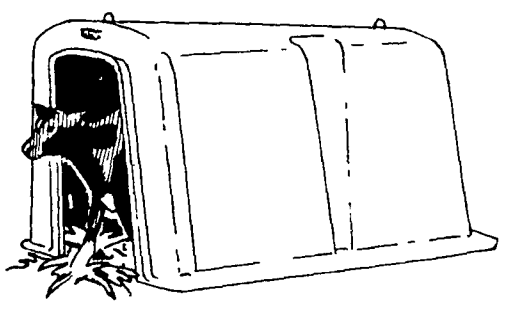

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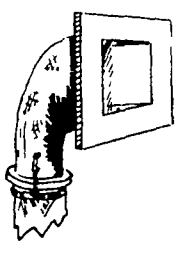

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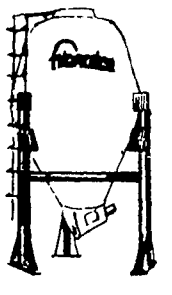

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(Continued from Page D42)

His high school activies include yearbook, band and chorus. He is a member of the United Church of Christ.

Richard's future plans are to own and operate a beef and hog farm.

GEORGE N. RICE
West Perry High School

George N. Rice, son of Nevin and Mary Ann Rice, of R1 Blain, was named a recipient of the FFA's Keystone Farmer Degree.

The 17 year old member of the West Perry FFA Chapter has been active with the group for the past four years.

Included in his FFA projects are seven acres of field corn, six acres of oats, seventeen acres of wheat, five acres of hay, thirteen acres of soybeans and a dairy herd of ten.

George N. Rice

In 1979 George achieved a production credit award and gold medal in the State Project Book contest. He also received a silver emblem last year at the Dairy Judging contest at Penn State. The previous year, George received the Production Credit Award and a bronze medal in the 1978 State Project Book contest.

Active in school intramurals, George enjoys snowmobiling, cycles, and ice hockey.

He is a member of the Zion Lutheran Church and the National Honor Society.

After graduating from high school, George plans to work on the family's 300-acre dairy farm.

S. DUANE RICHARD
West Perry High School

A four year member of the West Perry FFA Chapter, S. Duane Richard has been honored with the 1980 Keystone Farmer Degree.

The 17 year old son of Stan and Gloria Richard of R1 Landisburg, Duane has been an active participant in many FFA projects. Among his projects are a 10-head dairy herd, seven acres of field corn, five acres of wheat, seven and a half acres of oats and eight acres of hay.

As a senior, he has served on the banquet and activities committees Duane has been a reporter with his chapter since 1977.

He received bronze medals in the Project Book Contest and also in the Dairy Judging Contest of the FFA Summer Convention at Penn State.

Duane was awarded first place in the County Public Speaking and Soil Judging contests.

Besides being an FFA member, Duane is active in the 4-H Dairy Club and high school instramurals. He is a member of Mt. Zion Lutheran Church.

Duane's hobbies include hunting, cycles, snowmobiling, ice hockey and trapping.

After graduation from high school, Duane plans to own and open a registered Holstein dairy farm.

S. Duane Richard

ALLEN P. KRETZING
West Perry High School

West Perry FFA member Allen P. Kretzing has been selected to receive the 1980 Keystone Farmer Degree.

The 18 year old son of Perry and Adelaide Kretzing, of Loysville, Allen has been an active member of the West Perry FFA Chapter for the past five years.

[illegible] included dairy calves, field corn, oats, winter barley, silage corn, and alfalfa. Allen has also served on the FFA Banquet entertainment and organization committees.

Allen P. Kretzing

In the past, Allen has held the offices of Chapter Reporter and Chapter Treasurer. He is currently the Senior Class treasurer.

Among his FFA honors and awards, Allen has received the Chapter Corn Production Pin, the Soil and Water Management Pin, Proficiency award, bronze in the State Enterprise Project Book Contest, gold in the 1979 State Public Speaking Contest and gold in the State Dairy Judging Contest in 1978.

A sports enthusiast, Allen enjoys hunting and square dancing. He is a member of the National Honor Society and is also active in the 4-H Dairy Club.

He is a member of Centre Presbyterian Church and serves as president of the Youth Fellowship

Allen plans to help his father farm until he can go into partnership with him or buy his own dairy herd and farm.

BARRY L. SHEAFFER
West Perry High School

Eighteen year old Barry L. Sheaffer of R2 Shermansdale will receive the Keystone Farmer Degree at the State FFA Convention to be held at the Forum Building in Harrisburg on January 9.

Barry is the son of Mr. and Mrs. Lloyd Sheaffer. He has been a member of the West Perry FFA Chapter for four years.

Among his FFA projects are swine breeding and finishing, corn, potatoes, and beef finishing.

A Greenhand Chapter Farmer, Barry has received awards for soil and water management and public speaking.

He is an active sportsman and enjoys hunting and trapping. He also plays intramural volleyball at West Perry High School.

Barry plans to continue raising purebred Durocs and hopes to someday enter the Quality Control field.

Philadelphia

BRYON ROHDE
Walter Biddle Saul
High School

Bryon Rohde, the 17 year old son of George and Dolores Rohde, Mitchel Street, Philadelphia has been nominated to receive the Keystone Degree.

During his membership in the Philadelphia FFA Chapter, Bryon has worked on a variety of committees and has participated in flower shows.

His FFA accomplishments have included the Greenhand Degree, and the Chapter Farmer Degree.

Bryon's list of work experience is extensive He has worked for the Pennsylvania Horticulture Society at the Spring and Fall Shows. Bryon was employed by the Philadelphia School Board to work in the greenhouses for two years

As a result of his employment, Bryon has earned a special award for his outstanding work in the greenhouses

Byron Rohde

In addition to FFA, Bryon is a member of the W.B. Saul Honor Society and the Horticulture Club. He also serves as chairperson of the senior class activities committee.

After graduation, Bryon plans to attend college and eventually be self - employed in a horticulture related business.

Dennie Dougherty

DENNIS DOUGHERTY
Walter Biddle Saul
High School

Philadelphia's FFA Chapter President, Dennis Dougherty will receive his Keystone Degree during the Winter FFA Convention next week.

As the 17 year old son of Robert and Catherine Dougherty, Mansion Street, Philadelphia, Dennis is among the ten students of the Walter Biddle Saul High School to receive the degree.

As a member of the FFA Chapter, Dennis has served as the agriculture class president for the past two years. In his freshman year, he served as the agriculture class sentinal

Prior to the Keystone Degree, Dennis received the Star Greenhand and Chapter Farmer degrees.

His FFA projects have included a veal calf. He also worked in a supervised agriculture occupation

Dennis has participated on the savings and finance committee.

After graduation, Dennis plans to work as a herdsman on a dairy farm.

(Turn to Page D44)

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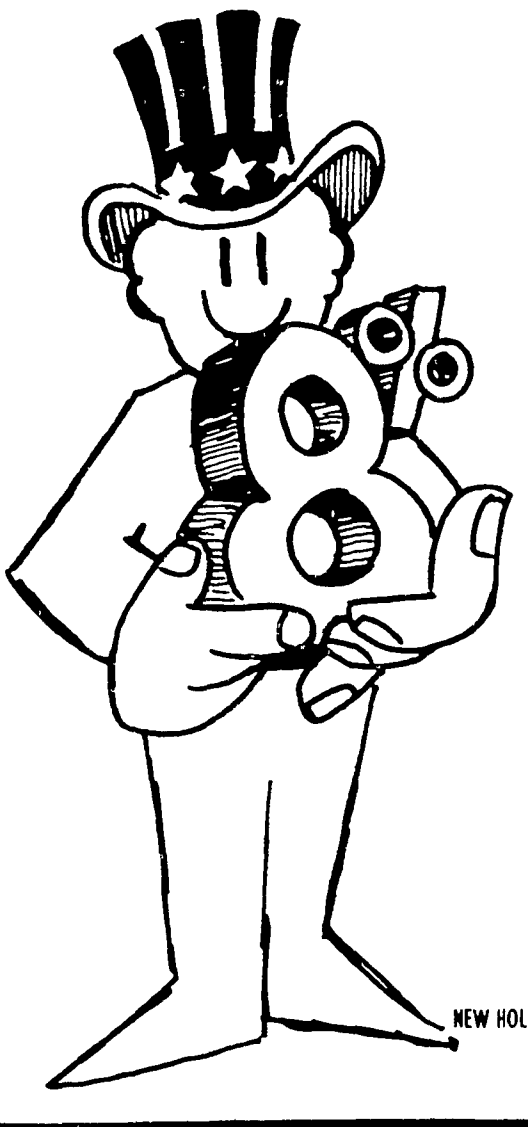

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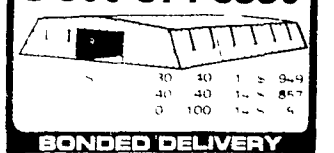

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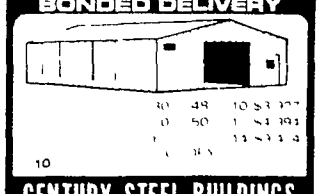

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(Continued from Page D43)

JAMAL HAMPTON
Walter Biddle Saul High School

Jamal Hampton, 17, of Powelton Avenue, Philadelphia loves to show livestock.

He is the son of James and Blanche Hampton.

As a member of the Philadelphia FFA Chapter, Jamal has lamb, steers, and market hog projects.

He took top place honors in the Chapter Livestock Judging Contests this year.

He took a first in the Chapter's beef showmanship contest and a second in both the sheep fitting and showmanship contests.

Jamal spends time competing in many livestock judging contests.

He has taken two second place honors in the Chapter contest, placed third at the Allentown Fair, and took nineth plane honors at the Southeastern Regional Livestock Judging in March.

During this Summer's state competition, Jamal earned a silver medal for his outstanding efforts in judging.

In addition to his livestock projects, Jamal has maintained a hot house project. Two years ago, he took fifth place honors for his outstanding green house management.

In addition to his projects, Jamal is a member of the parlimentary procedure club, the small animals club and the dairy club.

He is the chairperson of the recreation committee and is a member of the SOEP Committee.

Jamal Hampton exhibits the Philadelphia FFA Chapter's Polled Hereford heifer.

Jamal is also the vice president of the livestock team.

In the future, Jamal would like to pursue his interests in livestock as a veterinarian.

TINA R. RICHARDS
Walter Biddle Saul High School

Tina R. Richards, the 16 year old daughter of Russell and Isabel Richards, Chester Avenue, Philadelphia will receive the State FFA Keystone Degree on January 9.

As a member of the Philadelphia FFA Chapter, Tina has been involved in a variety of horse related projects.

This Summer she took second place honors at Penn State University's Pleasure Horse Judging contest. A year earlier, Tina had earned an honorable mention in the same competition.

In the past three years, Tina has competed in the Chapter Horse Judging contests.

She also took fourth place honors in this year's Chapter Dairy Judging contest.

In 1977, Tina earned the Star Chapter Farmer degree and placed fourth in the quiz bowl competition.

In addition to her FFA involvement, Tina is a member of the American Quarter Horse Association, the American Morgan Horse Association and the American Wild Horse Protection Association.

Tina's ambition is to be a park ranger in the U.S. Park Service. Tina would also like to establish a Quarter Horse breeding operation.

Naturally her hobbies revolve around horses. Tina enjoys training horses and collecting model horses.

ANDREW RISEMAN
Walter Biddle High School

As an assistant designer at the School Lane House of Flowers, Andrew Riseman has been nominated to receive the Keystone Degree.

In his four years of membership in the Philadelphia FFA Chapter, Andrew has held three leadership positions.

A floriculture project has been his primary FFA project. Each Holiday Season, Andrew has sold and distributed flower arrangements.

Andrew Riseman

In addition to his FFA projects, Andrew has been involved in the National Honor Society and was the school's class president.

He plans to attend Penn State University where he will have a double major in horticulture and business Eventually, Andrew hopes to own and operate his own flower shop

Andrew Riseman is the 18 year old son of Beatrice Riseman

ROBERT MARCHESANI
Walter Biddle Saul High School

Robert Marchesani, South 21st Street, Philadelphia, plans to major in either biology or pre-veterinary medicine in his undergraduate studies. Later, he wants to attain a degree in veterinary medicine for practice in exotic animals and scientific research

Robert is likely to achieve these goals, just as he achieved the Keystone Degree this year.

Robert is the 17 year old son of William and Rosalie Marchesani.

As a FFA member for nearly four years, Robert has served on the Leadership Committee, the Scholarship Committe, and is presently serving as chairman of the Energy Conservation Committee.

In the past year, Robert has participated in the supervised occupational experience program and has also served on the guiding committee.

His list of FFA achievements is quite extensive.

Among his most cherished awards is his first place finish in the State's Conservation Public Speaking Contest.

Within the Chapter, he has earned the Beef, Dairy and Public Speaking Achievement Awards. He also placed third in the quiz bowl contest.

Robert Marchesani

In addition to the Keystone Degree, Robert has earned both the Greenhand and Chapter Farmer Degrees.

Presently, Robert is serving as vice-president of his agriculture class.

His extracurricular activities have included peer counseling, the debate team, membership in the National Honor Society, Laboratory Technology Club, and tutoring.

He has received excellent job experience while working as an assistant to a veterinarian Robert has also been involved in a research project The project studies the physiological properties of canine tendons.

(Turn to Page D46)

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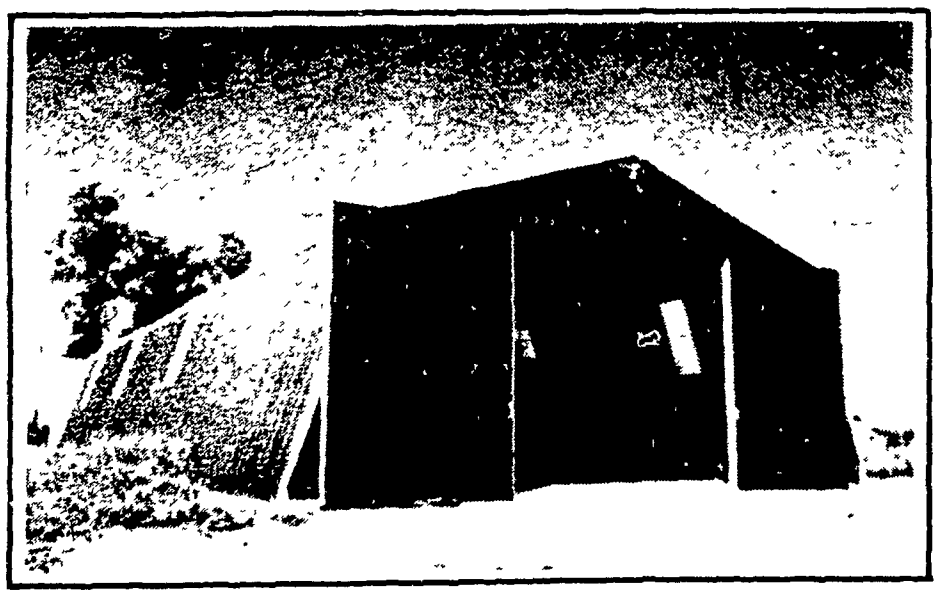

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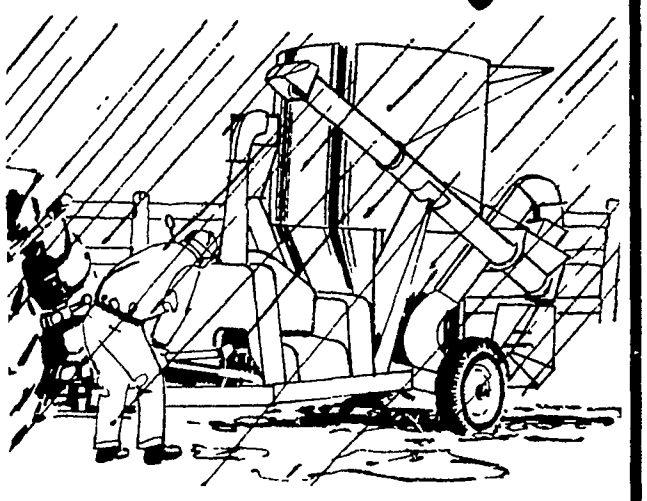

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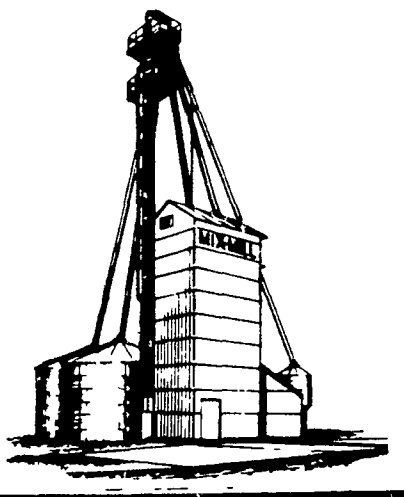

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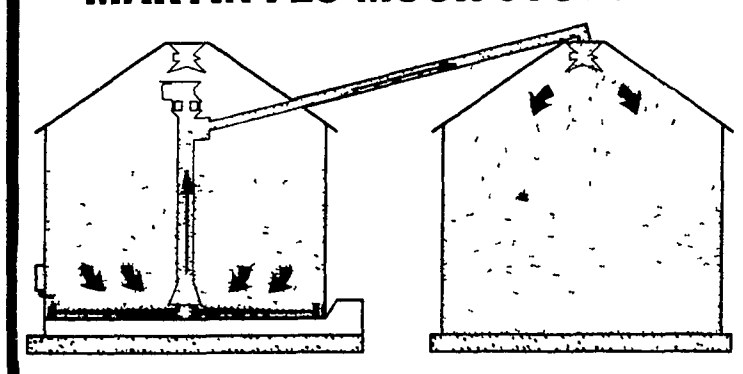

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(Continued from Page D44)

John R. Carpenter

JOHN R. CARPENTER
Walter Biddle Saul High School

John R. Carpenter of East Stella Street, Philadelphia, will receive the Keystone Degree during special ceremonies in Harrisburg on January 9.

As a member of the Philadelphia FFA Chapter, John has participated on the Executive Committee and Community Service Committee. He was also chairperson of the Leadership Committee.

He has served as the Chapter's chaplain and has earned the Chapter's leadership award.

John is currently self - employed as a landscaper. He has worked for the School District of Philadelphia as a turf technologist.

These experiences have contributed to John's receiving the Turf Technology Achievement Award.

John has also participated in public speaking competitions and has taken achievement awards in this area.

While attending W.B. Saul, John has been nominated to the National Honor Society. He also works on the yearbook staff, and is a peer counselor.

In the future, John plans to attend college and work in the field of forestry or conservation.

John is the 17 year old son of Frank and Hannelore Carpenter.

JAMES McANDREW
Walter Biddle Saul High School

James McAndrew, the 17 year old son of Joseph and Mary McAndrew hopes, to become a Pennsylvania State FFA officer next Summer.

If his involvement in Philadelphia's FFA Chapter is any indication of his abilities; it is likely that James will be successful in obtaining a State officer's position.

This year, James is serving as the Southeastern Area's co-advisor. He is both the Philadelphia Chapter and area vice-president. Last year, James served as the Chapter and area sentinal.

His FFA awards have included the Chapter Farmer degree, Chapter leadership and parliamentary procedure awards.

He placed second in the area quiz bowl.

James has a veal calf and home insulating projects.

He has also served a term as chairperson of the Supervised Agriculture Experience Program and the Recreation Committee. James has been president of the W.B. Saul dairy club.

James plans to major in agriculture education during college.

Schuylkill County

JAMES DUNN
Blue Mountain High School

James Dunn, the Blue Mountain FFA Chapter president, will receive his Keystone Degree at the Winter FFA Convention on January 9 in the Forum building, Harrisburg.

James Dunn is the son of Robert and Andrea Dunn, R1 New Ringgold. He is 17 years old and has been a member of the Blue Mountain FFA Chapter for four years.

During these years, his primary FFA Projects included five acres of alfalfa, two cows, and 6000 onions He also participated in the work experience project.

In past years he was the Blue Mountain Chapter reporter. Jim has also been a member of the

James Dunn

parliamentary procedure team and demonstrations team, during his junior and senior years.

In addition to the Keystone Degree, Jim has earned the Greenhand, Chapter and County Farmer degrees in FFA.

In addition to his FFA membership, Jim is a member of the Schuylkill County 4-H Baby Beef Club. He had one 4-H show steer for a club project.

Jim is active as a member of the Freidens Church of Christ, New Ringgold, where he serves as a junior deacon.

After graduation, Jim hopes to become a full-time dairy farmer.

MIKE REBUCK
Tri Valley High School

Mike Rebuck, the 18 year old son of Mr. and Mrs. George Rebuck, Deep Creek Road, Hegins, has been selected to receive the Keystone Degree.

In his five years of membership in the Tri Valley FFA Chapter, Mike has earned the Schuylkill County Poultry Award. His 7500 broilers and 4500 roosters contributed to this honor.

In addition to poultry projects, Mike has maintained outstanding [illegible] project to earn the Schuylkill County Crop Production Award.

In 1976-77 Mike served as the Chapter reporter, in 1978 - 79 as sentinal and 1977 - 78 as vice president.

In the future, Mike intends to work on his father's farm and is considering a partnership with his father.

Mike's hobbies include motorcycling, snowmobiling and trapping.

Mike Rebuck

BRIAN L. KLINGER
Tri Valley High School

Brian L. Klinger, the Schuylkill County FFA vice president will receive the honored Keystone Degree on January 9.

As the 17 year old son of Mrs. Larona Smink, R1 Klingerstown, Brian has been active in the Tri Valley FFA Chapter for the past three years.

Presently, Brian is serving as the Chapter president, and the county vice president. In previous years, Brian has been the Chapter chaplain and reporter.

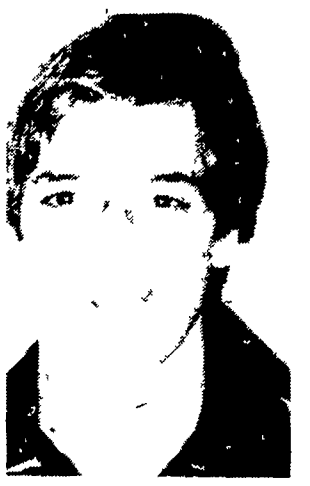
His FFA projects have included fattening hogs and on farm supervised work experience. In the future, he plans to go into partnership on the family farm.

In addition to his leadership positions, Brian has earned the Livestock Production Award, the Soil and Water Conservation Award. He was also a winner in the County Tractor Driving Contest.

Brian's extracurricular activities have included membership in Tri Valley's student council.

His hobbies include fishing, skating, snowmobiling, and hiking.

Brian L. Klinger



Daniel Shadle

DANIEL SHADLE
Tri Valley High School

As the 17 year old son of James and Lorraine Shadle, Daniel Shadle has been nominated to receive the FFA Keystone Degree.

As a four year member of the Tri Valley FFA Chapter, Dan has had a variety of projects including pheasants, potatoes, and Christmas trees.

He has also participated in the FFA Exchange Program and has served on the banquet committee.

Currently, Dan is serving as Tri Valley's Chapter Reporter.

His pheasant projects enabled him to win the local and county Poultry Production Award. Also, Dan earned the Public Speaking Foundation Award.

For his outstanding FFA involvement, Dan received

(Turn to Page D47)

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(Continued from Page D46)

the Greenhand, Chapter and County degrees.

Dan plans to attend college and major in agriculture education. He also plans to join into a partnership with his father.

During high school, Dan participated on the football and wrestling teams. In his spare time, Dan likes to swim, hunt, and trap.

York County

NELSON R. BRENNEMAN, JR.
Dover Area High School

Nelson R. Brenneman, Jr. is the 19 year old son of Mr. and Mrs. Nelson Brenneman, R1 Spring Grove, York County.

As a five year member of the Dover FFA Chapter, Nelson is presently serving as Chapter President.

His FFA projects have included dairy cattle and calves, corn, hay, oats, and capons. He was the recipient of the dairy chain calf.

In the future, Nelson hopes to continue full time farming.

In addition to serving as Dover's Chapter president, Nelson has been the Chapter Sentinel. He has been named Star Greenhand, and Star Farmer of the Dover FFA.

Nelson R. Brenneman

Besides farming, Nelson also likes to hunt, trap, and ride cycle.

A collection of model cars and trucks is included among his hobbies.

JAMES KNIGHT
Kennard-Dale
High School

James Knight, the Kennard-Dale FFA Chapter and York County President, has been selected to receive the honored Keystone Degree on January 9 during the Future Farmers of America's State Convention.

James is the 17 year old son of Mr. and Mrs. George Knight, R2 Airville.

In his four years of FFA membership, James has been quite involved in dairy activities.

He has participated on the Kennard-Dale dairy judging team at both the state and county levels. His FFA projects have included dairy cattle.

James is a Junior Holstein Club member, and has also been a 4-H member for the past seven years.

In addition to his present leadership positions, James was vice-president of his Chapter in his junior year, and had worked with the public relations committee in his sophomore year.

James Knight

He also serves as the Kennard Dale's Senior Class vice president, and was parliamentarian of his junior class.

His FFA achievements have included the Star Greenhand Degree and a dairy production award.

James will continue his FFA membership as he work's on his father's farm, and attends college on a part-time basis.

David Picone

DAVID PICONE
Kennard-Dale
High School

David Picone, the 17 year old son of Mr. and Mrs. Dominick P. Picone, R3 Felton, is in his fourth year as a member of the Kennard-Dale FFA Chapter.

During the past three years, David has participated in a variety of supervised occupational projects. He has been a member of the scholarship and public relations committee, serving as this years chairman.

This year he is also the Kennard-Dale Chapter reporter.

His FFA achievements have included entering and taking honors in a variety of contests.

Included among these honors is his third and fifth place finish in the poultry judging competition and fifth place in a small gasoline engines contest. David took first place honors in the York County Project Book Evaluation.

In addition to his FFA activities, David is a member of the National Honor Society. He was a cast member of the Junior Class play and participated in student council.

David's future plans include attending the Harrisburg Institute of Electronics.

Chris V. Reachard

CHRIS REACHARD
Red Lion
Area Senior
High School

Chris Reachard, a member of the Red Lion Area FFA Chapter, will receive the Keystone Degree during ceremonies on January 9 at the Forum building in Harrisburg.

Chris is the 18 year old son of Mr. and Mrs. Kenneth Ruppert, of R2 Red Lion.

In his four years of FFA membership, Chris has had an extensive list of projects, including swine breeding and finishing, beef finishing, poultry - layers and broilers; livestock judging, and horse judging.

He has participated on the parliamentary procedure team and has earned the Greenhand, Chapter Farmer, and White Rose Degree.

At the present time, Chris is assistant treasurer of the Red Lion FFA Chapter.

In extracurricular activities, Chris participated in the high school musicals, Oklahoma and Music Man.

Penn State University is in Chris's future. He hopes to study agriculture education and horse anatomy. Eventually, Chris hopes to start his own swine finishing and breeding farm. He would also like to raise horses.

Naturally, Chris enjoys horse back riding. He also likes to work with animals, particularly showing his animal projects at competitions.

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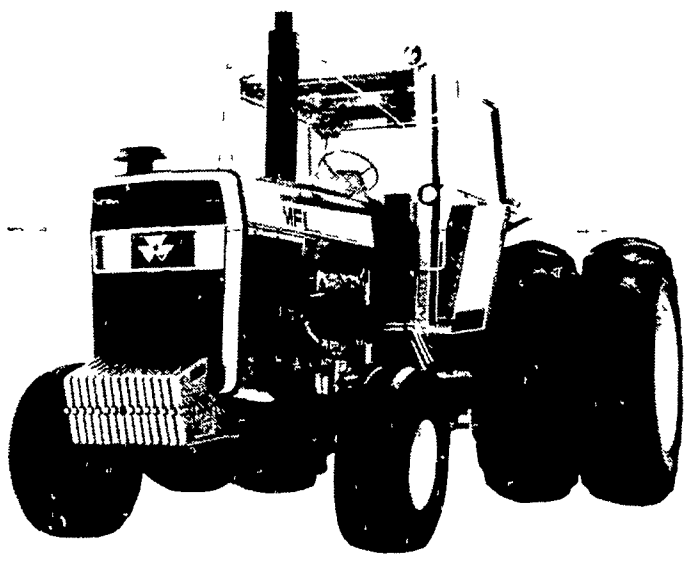

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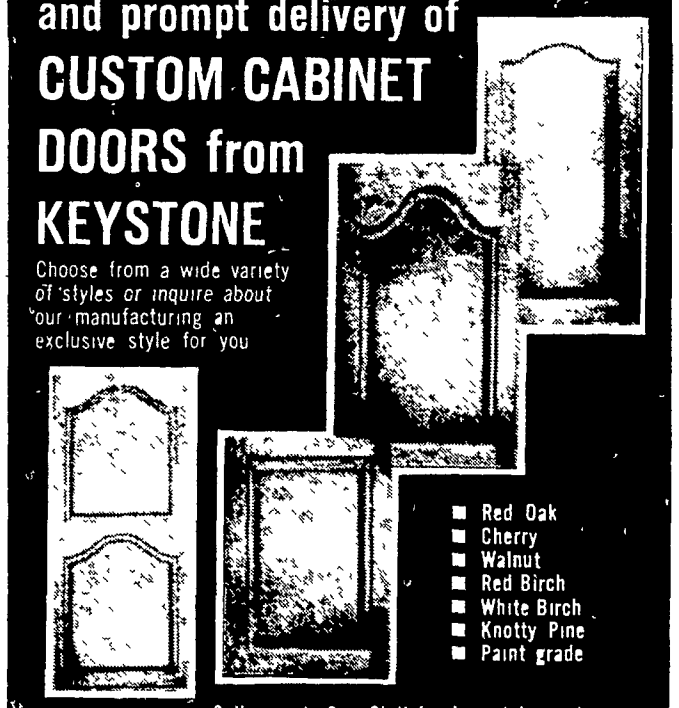

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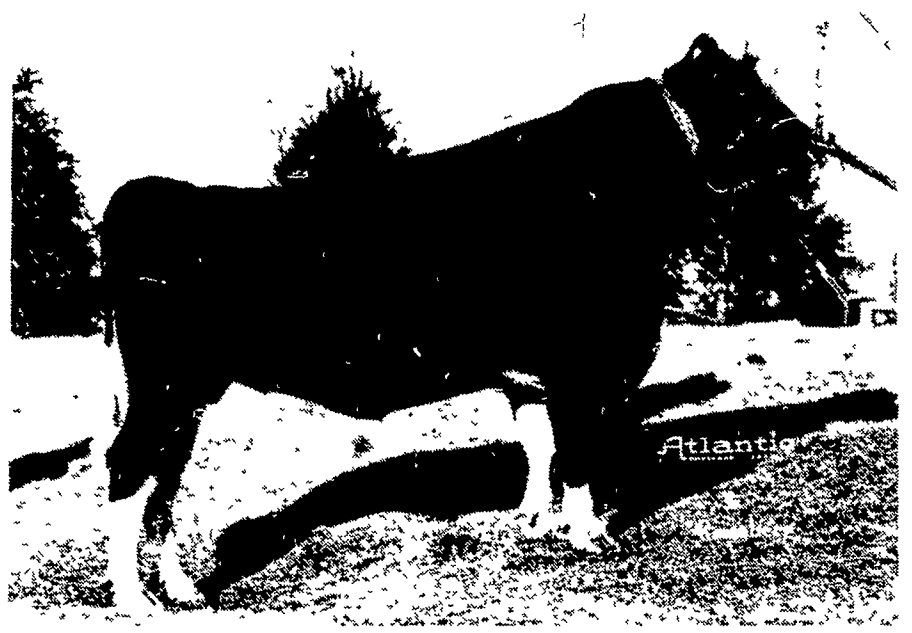

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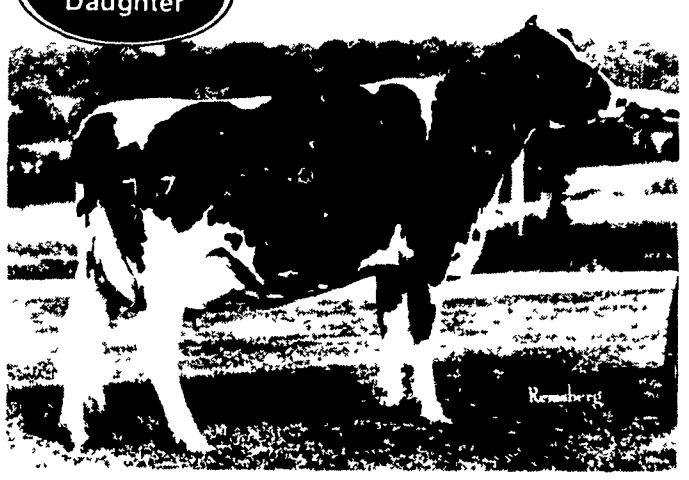
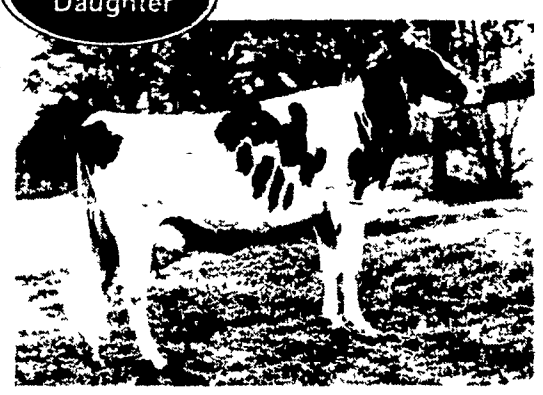


TEABOW TRUMP EMPRESS ESTHER EX(90)
4-0 297d 2X 16,100 [illegible] 578
Owner James M Stup, Walkersville, Md

TRUMP Daughter



WILLDN LEMMIE BURKGOV CHIEF-NC
3-0 347 20,555m 4 5% 917f
Owner Don Williams, Tunkhannock, Pa

TRUMP Daughter

WELLING TRUMP 339 (GRADE), NC
2-5 369d 2X 24,220m 3.23% 783f
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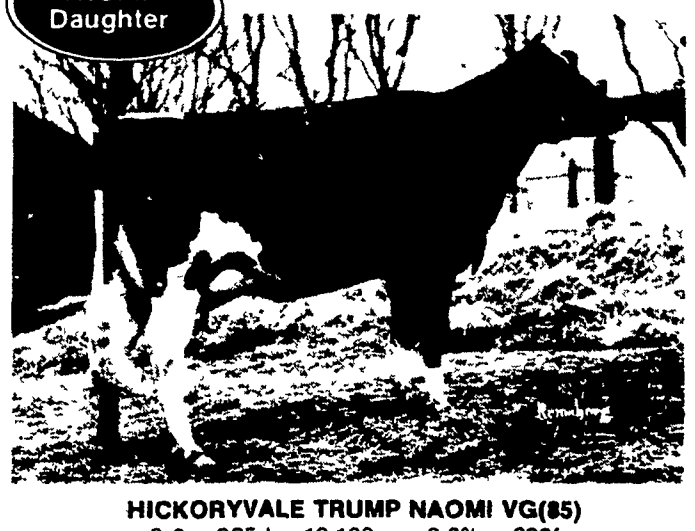
TRUMP Daughter



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Here's how to design your own yield trial

BLOOMINGTON, Ill. — A farmer can gain meaningful information by looking at university plots, at seed company yield results, and at his neighbor's crop all he likes, but there's no substitute for testing hybrids on his own farm.

But how do you design a test plot that will give you meaningful results? And what should you look for when examining those results?

Gary Elder makes his living designing and evaluating test plots for Funk Seeds International. As product evaluation scientist, Elder looks at hundreds of test plots annually, and he provides the following guidelines for farmers wanting to perform their own on-farm hybrid evaluations.

Keep the plot from being too large. One-half to one acre per hybrid is adequate.

"Many growers feel they do not get meaningful results unless the hybrids are planted on large acreages. But the larger the plot, the more field variation you will have. Field variation can cause tremendous differences in performance," Elder states.

Select a uniform field. If the field has "poor spots" running through it, plant rows perpendicular to those spots so that all hybrids being tested are subjected to the same soil conditions. Select a location that is representative of your farm and that is as uniform as possible.

Use one of the test hybrids as a check. That is, plant the same hybrid three or four times in the plot, at equal intervals between the other test hybrids. The performance of the check hybrid should not vary in the plot by more than five or six bushels per acre. If it varies more than 10 to 15 bushels, then there is too much field variation, according to Elder.

Plant hybrids of different maturity. Probably two early hybrids, three or four medium maturity hybrids, and two late maturing hybrids should be included in your test. This allows you to evaluate more hybrids in the maturity to which most of your crop will be planted. But treat all of the hybrids alike.

According to Elder, all hybrids should be planted on the same day, at the same population and row width, and at the same level of fertility. This will give you the most fair comparison between hybrids. Differences in maturity can be taken into account at harvest time.

Don't let one year's test make your decisions. Elder says that a good testing program should be an ongoing program.

"You may want to throw out your poorest performer after one year, but don't give up on a hybrid just because it does not come out on top in yield. Growing seasons vary, and some hybrids can take stress better than others," he says.

Watch your plant height when laying out the configuration of the plot.

Do not plant a short hybrid between two extra tall hybrids, especially if you are only planting four rows of each hybrid, says Elder. The tall hybrids will shade out the short hybrid, providing untrue results.

Your seed dealer can provide information on expected plant height.

Plant enough rows for each hybrid. Although there is no formula for the number of rows to be planted for each hybrid, Elder says that six to eight rows per hybrid work well. Four rows in probably a minimum, and more than eight will make the plot larger than may be desirable.

Eliminate as many variables as possible. Treat hybrids equally. For most meaningful results, manage the test plot just like you manage the crop on the remainder of your farm.

With the seed on the ground, the next step is evaluation. Accurate records should be kept throughout the entire growing season, Elder says, in order to correctly compare hybrid performance.

Check germination and emergence. The early growing season is a good time to check for hybrid resistance to corn borers or other pests as well as uniform stands.

Note the date of flowering, too. Ideally you should plant hybrids with varying flowering dates to spread the risks at pollination time. Therefore, it is important to note the flowering date of each hybrid.

Keep track of the season and not special conditions, such as available moisture, and the effect of those conditions on hybrid performance.

Yield is only one harvesttime evaluation. Monitor harvest moisture, dropped ears, standability, disease and insect resistance, combining ability, root lodging, and other important considerations (such as shuck coverage or grain quality).

Check for overall plant soundness, especially if it has been a year where there was little stress.

"If you haven't had any severe wind prior to harvest, squeeze the base of the stalk to see if a hybrid might be 'spongy'. If it is, it may not stand well under more stressful conditions," the Funk researcher says.

Patz

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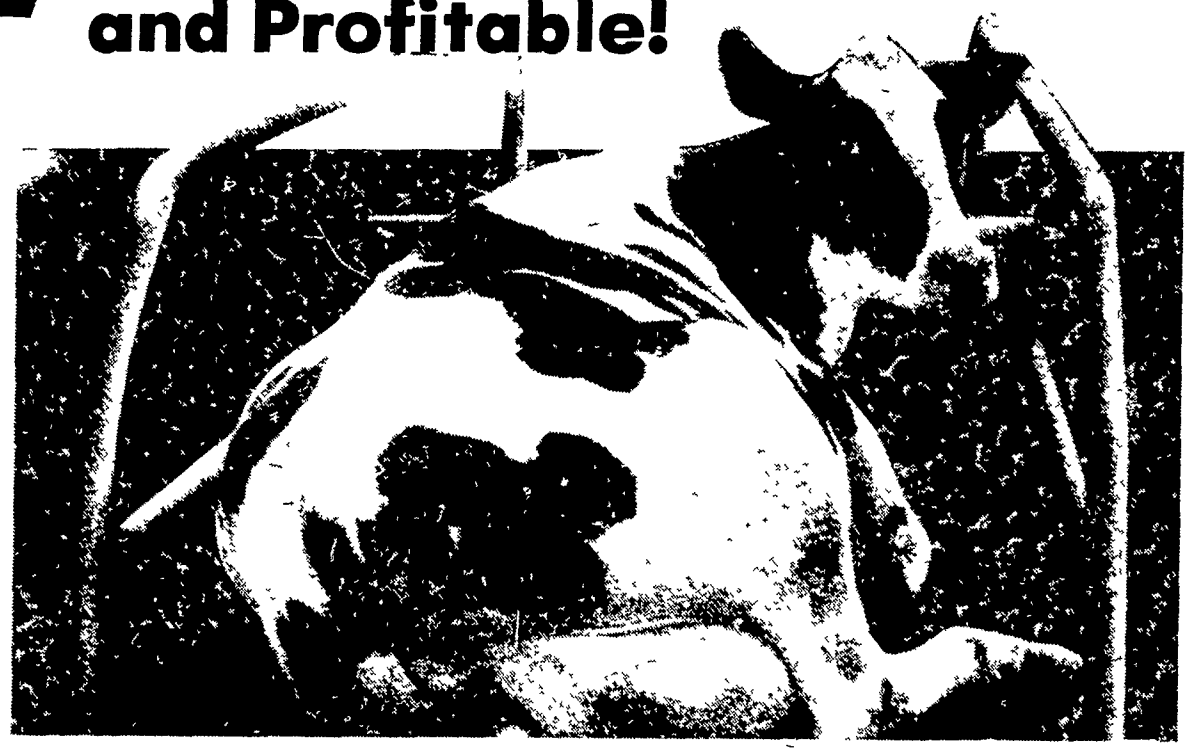

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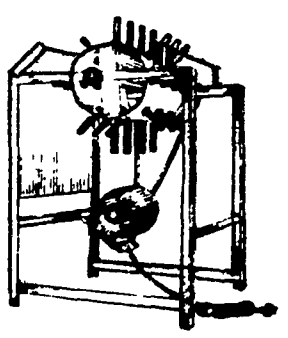

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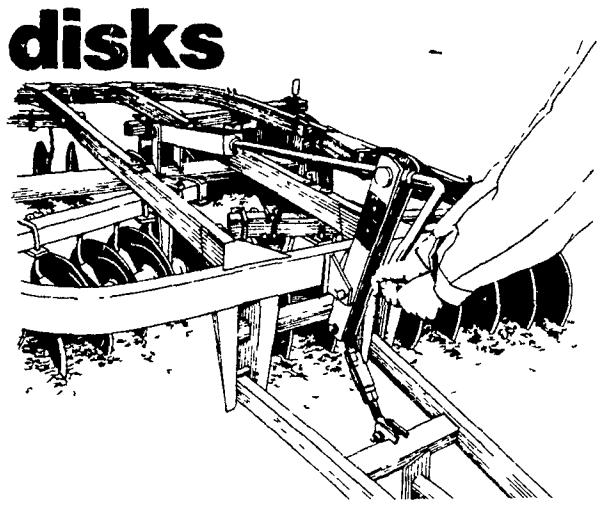

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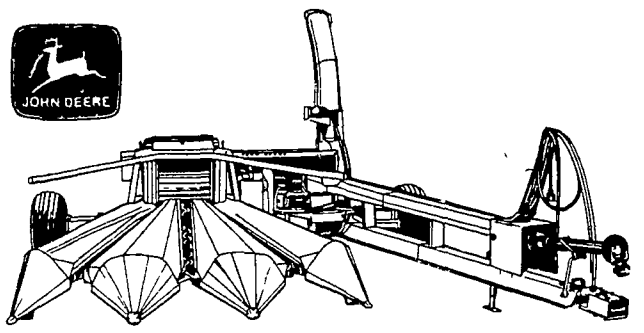
See us for new John Deere Disks in widths and weights that match your needs

The Powr-Mizer Forage Harvesters — the capacity you've wanted with the horsepower you already have



Squeeze extra work out of your tractor with the power-stingy 3940 and 3960 Forage Harvesters Power-efficient features start with the 36- or 48-knife Dura-Drum™ cutterheads These extra knives shear your crop into a fine-cut, uniform forage And you can keep the knives cutting at peak performance with the quick-adjust stationary knife Easy-access design lets you save your back and your temper, since there's no stooping and *no shield removal* It only takes a wrench and less than 3 minutes to get an accurate adjustment

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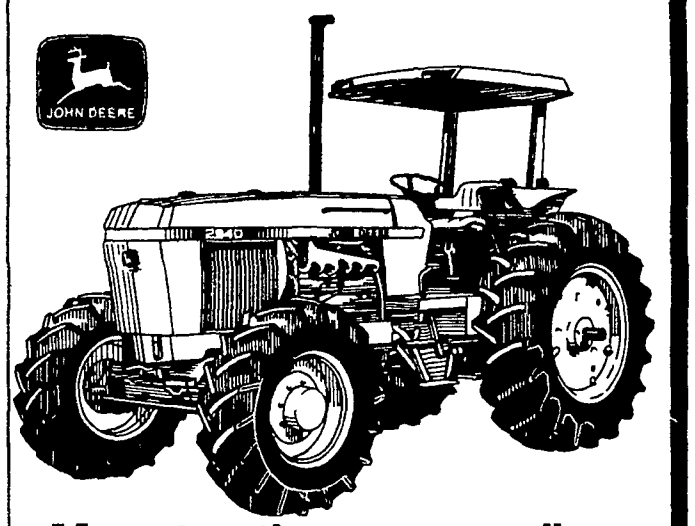

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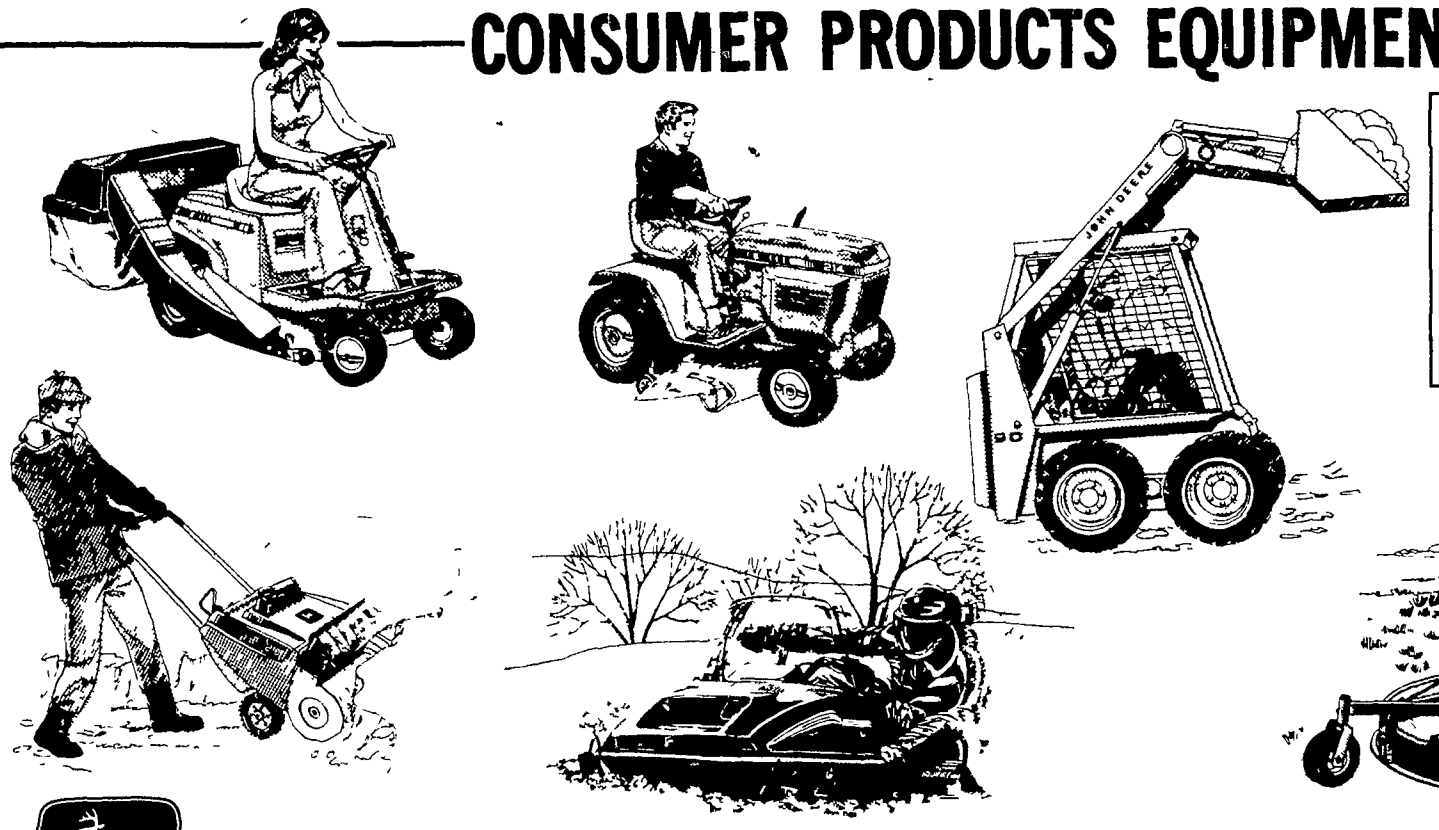

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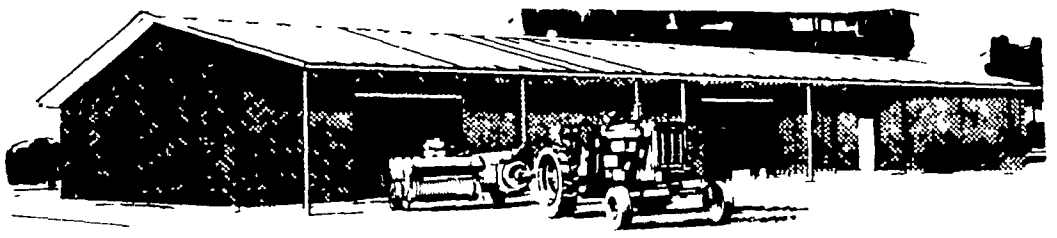

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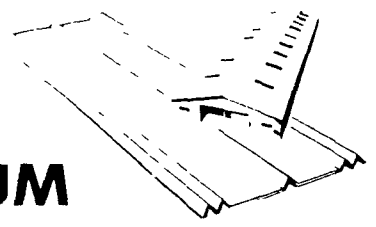

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2x10	5.40	7.04	8.36	9.76	10.80

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NEDCO calls consumer move 'serious threat'

SYRACUSE, N Y — Calling it the most serious threat to the Federal Order program and dairy farmer incomes since the Order's inception since 1937, the Northeast Dairy Cooperative Federation is calling all the dairy cooperatives to band together to thwart recent efforts by the Community Nutrition Institute (a consumer organization) to remove reconstituted milk from the federal order system of classified pricing.

According to NEDCO's President Edward McNamara, CNI has petitioned Agriculture Secretary Bergland to call a hearing to exempt reconstituted milk from classified pricing, thus doing away with the entire federal order system.

"This is a very serious matter to all milk producers," he said.

"Only a national effort by all cooperatives can solve this problem. We should not try to crusade ourselves with the entire industry at stake," cautioned the dairy leader.

NEDCO currently is working through the National Milk Producers Federation and its 200 member cooperatives to prevent the hearing requested by CNI. According to McNamara, a call to unity is the only way the dairy industry can hope to survive in the future.

"The dairy industry is being attacked on all sides.

Its basis for existence, to say nothing of any growth potential, will depend solely on its ability to rally together in one voice and a singleness of purpose," he said.

NEDCO, and the National Milk Producers Federation have requested a 180-day extension of time for the filing of comments concerning the reconstituted and filled milk issue.

NEDCO also recently mailed letters to each of its nearly 3000 producer members asking them to contact their congressional representatives in strong opposition to the hearing desired by CNI.

"For the sake of a few pennies, these certain consumer advocates are willing to destroy the lives of hundreds of dairy families, who would surely be forced to sell out if their fluid milk price is taken away," said McNamara

"They speak too of consumer lower prices, yet the very approach they are taking would have to involve a processing cost to add water to the powdered milk, a simple procedure that can be done now by the consumer himself.

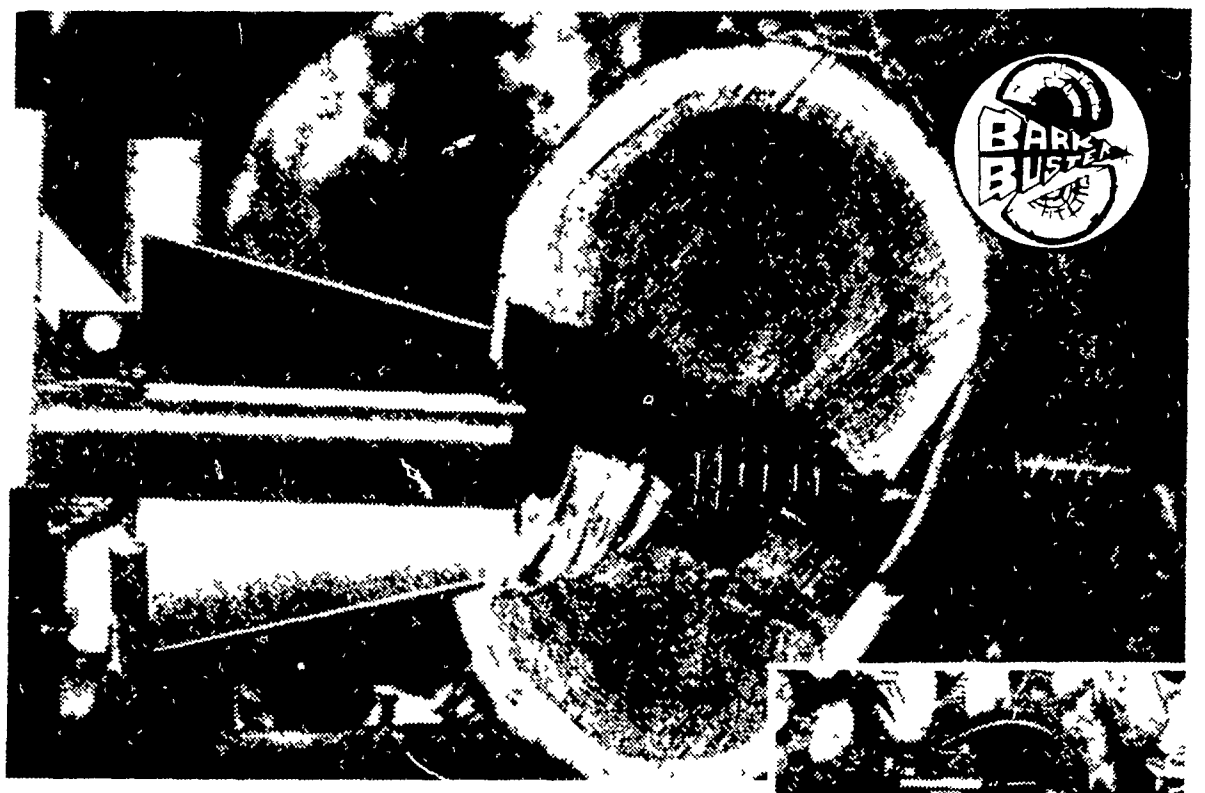
"Let me explain something else," he added. "Ultimately, if there is only one class of milk under the federal order bringing the lower manfacturing milk price, this would have meant a reduction in the November blend price to the farmer of $1.29 per hundredweight; translating over a year into a loss of $8,000 to the average producer...more than many farms even show as a net income!

"I don't think our consumer advocate friends even took the time to consider the impact on themselves and the people who's cause they are pursuing," he said.

"I think it's safe to say that over the long haul, without a pricing structure, chaotic marketing would develop among the dealers, eventually making it nearly impossible for anyone to find a quart of fresh milk anywhere "

McNamara went on to say that short range cheap food policies in the end defeat themselves. "They can only guarantee long range shortages of food and higher prices to the very consumer they are trying to protect," he said.

"It is wrong to forsake an entire industry for the sake of a few special interest consumer groups, such as CNI, who plunge into their worthy causes often with blinders on. They not only hurt themselves, they are giving consumers, again, a lesser, often fake product, with a short term price advantage," he said.



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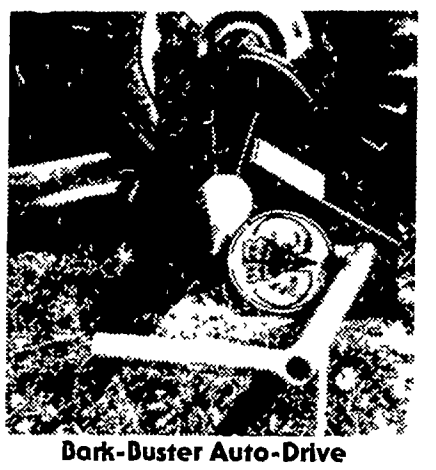
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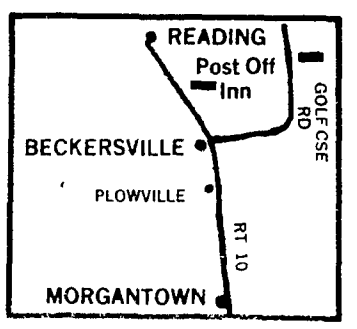

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Students divide $64,000 in scholarship funds

UNIVERSITY PARK — College of Agriculture students at Penn State are sharing over $64,000 in scholarships and awards for 1979-1980.

The total of $64,011 is up 14 per cent over last year, it was announced during the annual recognition banquet held recently on campus. Honored were winners and donors of 166 business and industry scholarships, memorials, and awards.

Eight new scholarships were acknowledged. The Chester D. Dahle Memorial Scholarship is presented to an outstanding senior in food science. The David R. McClay Scholarship is available to students in agricultural education. Students in forest science now have the James Clinton Burns Scholarship.

The William T. Butz Memorial Scholarship has been established for students in agricultural economics. Students in food science may compete for the Michael J. Daly Scholarship. The Arthur Gaspari Scholarship is available to students in plant science.

The Paul R. and Ethel S. Guldin Scholarship provides for outstanding but needy students in the College of Agriculture, as well as winners of the Guldin Speaking Contest. Students in forestry may compete for the Jesse Rossiter Rapp Memorial Scholarship.

Students honored were:

Susan Hefler of Biglerville and Kenneth Kehr of Littlestown, $400 each from the Adams County Poultry Association Scholarship.

Kathryn F. Connors of Edinboro and Thomas F. Reed of Shamokin, $500 each from the Ag Limestone Standing Committee of Pennsylvania Aggregates Association Scholarship.

Cynthia A. Reed of Milroy, $150 from the Agronomy Achievement Award.

John E. Detrick of Kane, $600 from the American Agriculturist Foundation Scholarship.

Mary J. Cybulski of Nanticoke and Lynne A. Mazur of Pittsburgh, each $500 from the Walter S. Anderson Memorial Scholarship

Thomas E. Schaffer of North Versailles, $200 from the Allen L. Baker 4-H Award.

Signe L. Edvar of State College, $450 from the Arthur C. Bigelow Memorial Scholarship.

Martin J. Currie of Drexel Hill and Donald E. Wagner of Kulpmont, $250 each from the Boys Working Reserve of Allegheny County Scholarship.

Thomas E. DeMeo of Kingston, $350 from the James Clinton Burns Scholarship.

Ina Richards of Mt. Jewett, $200 from the William T. Butz Memorial Award.

Kevin M. Cowher, New Castle, Craig A. Goudy, Palmyra, and Margaret A. Parons, State College, each $600. Kim R. Fox, Pottstown, Theresa A. Kamicker, Monaca, and Wanda J. Strang, Harrisburg, each $400. Sue E. Fritz of Stillwater and Gary L. Moyer of Richland, each $300 from the College of Agriculture Alumni Scholarships.

Dennis W. Armour, Cochranton, $684, Mark P. Bachman, Ulysses, $456, Elizabeth M. Bindus, Sugarloaf, $456, Logan M. Bower, Blain $684, Susan M. Chaves, Kingston, $684, Curtis R. Dietrich, New Tripoli, $456, Diana L. Graham, Evans City, $912, Jeffrey L. Harding, Brookville, $456, Laurie A. Jaeger, Bergenfield, $456, Bruce G. Kreider, Quarryville, $912, Susan Overmeyer, Poughkeepsie, $684, Kathleen J. Schiever, Harmony, $456, Leon R. Sollenberger, Everett, $684, Lori A. Sollenberger, Everett, $684, Nancy J. Whitaker, Curwensville, $912, from the Craola Farm Scholarships.

Bruce H. Heffner of Fleetwood, $570 from the Chester D. Dahle Memorial Scholarship.

Bruce H. Heffner of Fleetwood and Colleen M. Kramer of Pittsburgh, each $250 from the Dairy Fieldman's Scholarship.

Bruce H. Heffner of Fleetwood, $100 from the Michael J. Daly Memorial Scholarship.

Susan G. Emeigh of Pittsburgh, $500 from the H. W. Dunne Memorial Award.

Jeffrey A. Conrad of Millerstown and Diana L. Graham of Evans City, each $350 from the Eastern Milk Producers Cooperative Scholarship.

Richard Raid of Erie, $100 from the Entomology Award.

Keith Belli of Hatboro, Jerre L. Creighton of Imler, and Ralph E. Gosnell of Fowler, each $225. James N. Boyer, Tyrone, Ronald L. Doverspike, Reedsville, Pamela J. Edwards, Palmyra, Linda Glenn, Jeannette, John N. Grooms, Saxonburg, Stacey L. Hazen, New Wilmington, Robert P. Long, Greensburg, Helen M. McGinley, Shamokin, Carol A. Reber, Lansdale, and David P. Utley, Monroeville, each $175 from the Ferguson-Cope Forestry Awards.

Robert L. Schenck of Scottdale, $100 from the Forbes Chocolate Leadership Award.

Michael A. Sulzinski of Wilkes-Barre, $1,000 from the Arthur Gaspari Scholarship.

Randal S. Blank of Philadelphia and Kathleen Schiever of Harmony, each $250 from the Mason C. Gilpin Memorial Scholarships.

Susan E. Backlund, Maplewood, $600, Jill Bloom, Levittown, $1,485, and Nancy J. Hefright, Johnsonburg, $700, from the Eva B. and G. Weidman Groff Memorial Scholarship.

Susan Chaves, Kingston, $500, Hugh Laughner, New Castle, $500, Patricia Crossan, Philadelphia, $600, and Joseph B. Stratton, Glen Mills, $400, from the Paul R. and Ethel S. Guldin Agricultural Scholarships.

Earl Biggers, Circleville, $100, Barry Harris, Boiling Springs, $100, Beverly Sellix, State College, $150, and Laura Weinberger, Clinton, $125, from the Guldin Public Speaking Contest.

John F. Bankus, Wilkes-Barre, $500, Barbara A. Berkosky, Taylor, $600, Kira Bowen, Chinchilla, $300, Wendy L. Davidson, Harveys Lake, $600, Dale R. Dewing, Warren Center, $500, Thomas DeMeo, Kingston, $600, Robert Hocker, Cogan Station, $500, Michael Hutchinson, Sayre, $300, Joyce Kryzwicki, Plains, $900, Dennis R. Owen, Jersey Shore, $600, Virginia R. Thomas, Columbia Cross Roads, $300, and Deborah Williams, Towanda, $300, from the N. C. Harris Scholarships.

Jeffrey S. Shriver of Pittsburgh, $650, and Mary E. Fazio of Pittsburgh, $350, from the Hatfield Packing Company Awards.

Robert Freyman of Allentown, $300 from The Health Consultants Incorporated Grant.

Joseph A. Noel of McSherrystown, $300 from the D. E. Hess Industrial Forestry Scholarship.

Edward T. Kochin of Carnegie, $650 and Mary B. Norris of Valencia, $350 from the Hubbard Farms Scholarship.

Margaret Parsons of State College and Steve C. Stephan of Bernville, $500 each from the J. Lin Huber Scholarship.

Mary E. Cannon of Pittsburgh, $100 from the L. L. Huber Memorial Award.

Truby J. Brown, Westfield, Lori F. Fehr, Pine Grove, Sue E. Fritz, Stillwater, Jeffrey P. Jabco, Bellefonte. Tracie Ritts, Valencia, Mary B. Sexton, Langhorne, Irwin J. Slotnick, Colonia, Mark S. Strefeler, Canonsburg, and Joanne P. Tannahill, Philadelphia, each $300. Mary J. Hess of Osceola Mills, $200, and Judy A. Howe of Erie, $100, from the Joseph M. Johnston, Jr. Memorial Scholarships.

Brian C. Ferguson of York, $150 from the Keystone Kiln Drying Association Award.

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(Turn to Page E8)

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Ag scholarships

(Continued from Page E7)

Palmyra, $650, and Patricia J. Provost of Washington, $500, from the Kurvin W. and Eva S. Lauer College of Agriculture Student Grants.

Celeste A. Miller of Coopersburg, $150 from the David R. McClay Scholarship.

Anthony G. Stair of Hyndman, $180 from the Morrell Smith Scholarship.

Christina L. Hartman of Carlisle, $100, and Joanne P. Tannahill of Philadelphia, $125, from the New York Florists' Club Awards.

Judy A. Howe of Erie, $200 from the Alan Nutt Memorial Scholarship.

Mary B. Norris of Valencia, $300 from the Pennsylvania Egg Marketing Association Scholarship.

Judy A. Howe of Erie $100 from the Pennsylvania Farm and Garden Book Award.

Nancy J. Hefright of Johnsonburg, $300 from the Pennsylvania Farm and Garden Scholarship.

Kathy J. Strock of Mechanicsburg, $400 from the Pennsylvania Grassland Council Scholarship.

Robert R. Dobos of Meadville and Edward T. Dix of State College, each $200 from the Pennsylvania Plant Food Education Society, Inc. Student Awards.

James L. Adams of Reading, $600 from the Pennsylvania Poultry Federation Scholarship.

Timothy Brooke of Westfield and Carla Brumbaugh of Williamsburg, each $475 from the Pennsylvania Rural Electric Association Scholarship.

Geoffrey Brink of Jamestown and Janet Kinnen of Pittsford, each $150 from the Pennsylvania Seedman's Association Awards.

James N. Boyer, Tyrone, $525, Jerre L. Creighton, Imler, $375, Thomas E. DeMeo, Kingston, $500, Pamela J. Edwards, Palmyra, $300, and Stacey L. Hazen, New Wilmington, $300, from the Carl I. Peterson Memorial Scholarships.

Ina Richards of Mt. Jewett and Dawn Kauffman of Belleville, each $500 from the William D. and Clara Calhoun Phillips Scholarship.

Donald A. Wilson of Summerhill, $400 from the Herman R. Purdy Award.

Mary B. Norris of Valencia, $650 from the Ralston Purina Scholarship.

MaryJean A. Cybulski of Nanticoke and Mark A. Johnson of West Chester, each $250 from the Norman C. Reber Scholarships.

Jerre L. Creighton of Imler, $325 from the Jesse Rossiter Rapp Memorial Scholarship.

Barbara A. Fair of Pittsburgh, $250 from the Orvel and Jane Schmidt Forestry Award.

Lisa Boeringer of Selinsgrove and Thomas E. Gaul of Ellwood City, each $700. Keith L. Belli of Hatboro, $550, from the School of Forest Resources Scholarships.

Robert L. Hocker, Cogan Station, Mark A. Johnson, West Chester, and Particia J. Provost of Washington, each $200 from the Jennie B. and James F. Shigley Pre-Veterinary Alumni Scholarships.

Catherine S. Dakan, Palmerton, Wendy L. Davidson, Harveys Lake, James F. Dostal, St. Marys, Sue E. Fritz, Stillwater, Randall L. Hamilton, Boiling Springs, Judy A. Howe, Erie, Gary L. Moyer, Richland, Irwin J. Slotnick, Colonia, and Mark S. Strefeler, Canonsburg, each $325 from the Harry W. Skinner Scholarships.

Thomas H. Weber of Bethlehem, $500 from the James B. Stere Memorial Scholarship.

Pamela D. Hess of Stillwater, $1,000 from the Joe S. Taylor Memorial Scholarship.

Sue L. Mincemoyer of Winfield and Stephen D. Miller of Stroudsburg, each $200 from the Two-Year Agricultural Business Awards.

Mark A. Johnson of West Chester and Madelyn Valchar of Lower Burrell, each $500 from the United Farm Agency Scholarships.

Barbara A. Rosensteel of North Versailles, $500 from the Two-Year Agricultural Class Memorial Award.

Elizabeth A. Dick of Hollidaysburg, and Joanne Tannahill of Philadelphia, each $350 from the Darrell E. Walker Memorial Scholarships.

Lori F. Fehr of Pine Grove, $100 from the Harriet Searle Watts Memorial Scholarship.

Truby J. Brown, Westfield, $100, Wendy L Davidson, Harveys Lake, $100, Eileen E. Fabian, Pittsburgh, $100, Lori F. Fehr, Pine Grove, $200, Sue E. Fritz, Stillwater, $200, Sally J. Gnage, Warren, $400, and Mary J. Hess, Osceola Mills, $100, from the Whitford Flowers, Inc. Scholarships.

A second per bird needed for management

BY HERBERT C. JORDAN
Extension poultry specialist

UNIVERSITY PARK — The flock manager should spend about one second per bird each day observing each bird in the flock or handling birds, freeing caught birds, removing dead birds or improving ventilation, environment, caring for heat, feed or water and grit.

Let's look at cost and returns of spending one second of time per bird per day in the flock.

If you pay a person $4 per hour to manage a flock of birds, then this is payment of 6.6 cents a minute, managers cost, and .11 cents per second of time spent.

So if you spend one second a day for 365 days for one layer-type bird you then spend 365 seconds per year at a cost of 41 cents per year per layer just to observe and manage the flock.

Last year poorly managed layer flocks earned 20 cents per layer per year net income to labor and management, while well managed flocks earned $1.00 per layer per year, net income to labor and management.

Therefore we see an 80 cent per bird improvement in income between poor flocks and profitable flocks

So the question is, will you spend 41 cents per layer per year with the risk of earning 80 cents more per layer per year?

Let's look at pullets which grow for 20 weeks or 140 days at one second for flock observation per bird per day or 140 seconds at .11 cent per second cost of manager.

That's a total of 15 cents per pullet in the flock as management cost to look at birds, free caught birds, pull dead birds, care for needs of the bird in environment and nutrition and disease prevention or control.

Net income to labor and management per pullet can be 25 cents per pullet so the question is, can you spend 15 cents to earn 25 cents per pullet per batch?

Let's look at meat birds like roasters which grow to 10 weeks of age or 70 days at one second per day or 70 seconds per roaster as observation time of the flock manager.

This means if you observe each and every bird for one second per day during the growing period this costs you 8 cents per roaster to observe the birds, examine them for health, disease or parasites.

Pick up dead birds, weigh live birds, post dead birds so that you keep in touch with disease or health disorders.

The real question is, can you afford to spend 8 cents per bird to receive a better income when birds are sold?

If you hire it done, this one second per bird per day will cost 8 cents per roaster sold at 10 weeks of age if you pay $4 per hour for a person to manage the flock.

If the manager does this himself or herself, then the cost is not 8 cents per bird, it is a question of where else can you place your time to earn more or less?

In looking at turkeys, the profit goes up. Let's say a farmer is growing turkeys to 20 weeks of age or 140 days at one second to observe every bird for a second every day.

Thus he spends 1[illegible] seconds observing a 20 week old turkey; we therefore hire someone at $4.00 per hour or .11 cents per second or we spend 15 cents more on every turkey on observation time.

So the question is, can you spend 15 cents per turkey to improve bird performance, to pick up and post dead birds, to keep feeders, waterers, environment and bird health perfect or as good as you can keep it?

Remember, the birds' performance pays the bills, the farmer only writes the checks.

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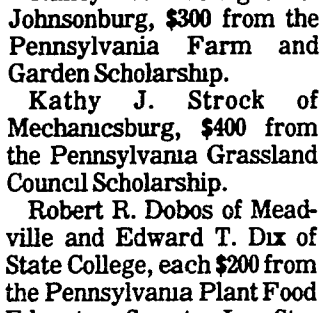

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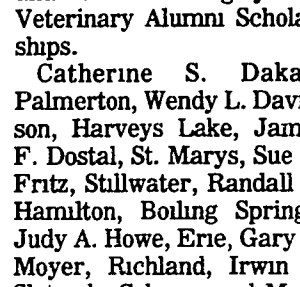

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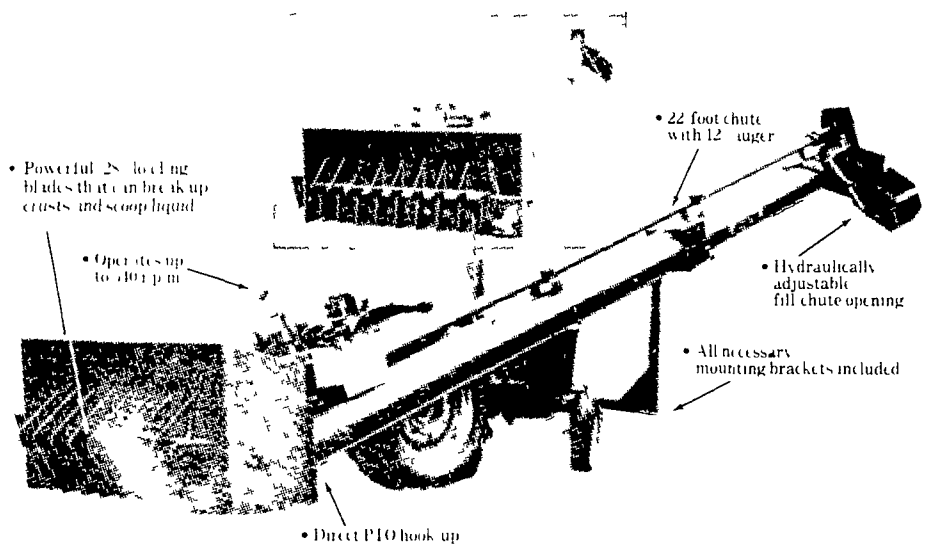
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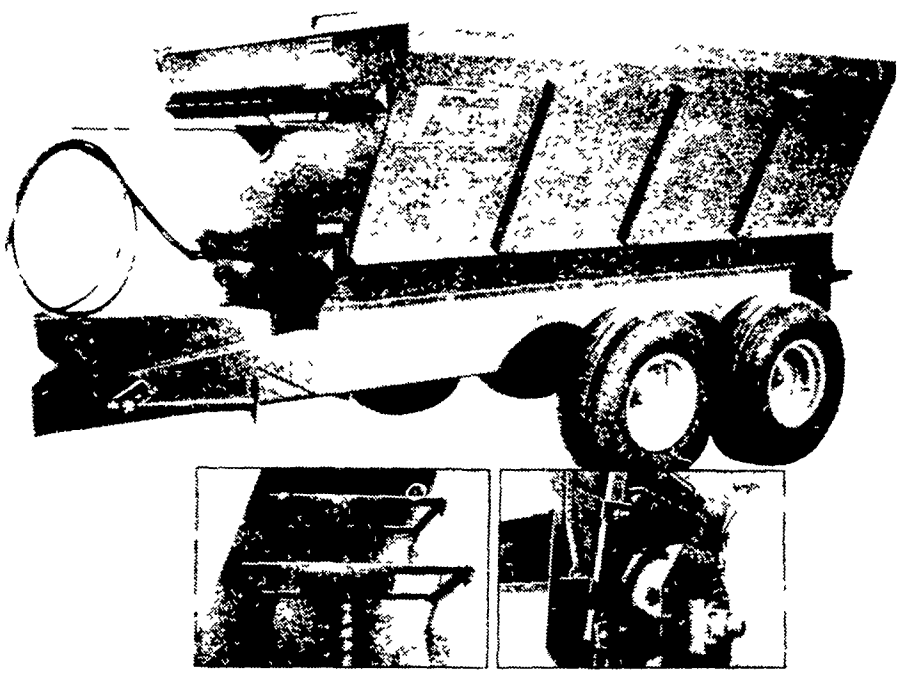

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Farm families honored at 1980 Farm Show

HARRISBURG, PA. — The 1980 Farm Show, January 6-11 in Harrisburg, has been dedicated to "Pennsylvania Farm Families – Producing the Finest Quality For Your Table."

"Our 59,000 farm families have done an outstanding job of producing top quality food products, State Agriculture Secretary Penrose Hallowell said.

"Pennsylvania is the leading agricultural state in the Northeast due to the dedication and hard work of our farm families. They are the custodians of nearly nine million acres of farmland in the Commonwealth, producing crops and livestock for our tables worth more than $2 billion every year."

Hallowell noted production was one side of the story of Pennsylvania farm families' contribution.

"The other side is quality," he said. "An ear of fresh sweet corn, a taste of Pennsylvania fruits or a swallow of dairy fresh milk makes it obvious that our farm products are unrivalled for their taste and goodness."

The Grand Opening of the 64th Farm Show has been declared "Farm Family Day," with opening ceremonies to be conducted by Governor Dick Thornburgh at 1 p.m. on January 6.

Representatives of Pennsylvania's many diverse commodity associations will be on hand to offer samples of quality Pennsylvania products.

The opening day activities are open to the public at no charge with no tickets required, unlike recent years when attendance was by invitation only. Parking will be available as usual in the Farm Show's 60-acre lot. A one dollar fee is charged.

Monday evening ceremonies will continue to emphasize the contributions of farm families, as Secretary of Agriculture Night offers a variety of entertainment featuring farm family members.

Master Farmers Night on Tuesday will recognize seven outstanding farmer-operators for their efficiency, management and achievements on their farm operations.

Activities on Wednesday have been dedicated to the farm family youth of Pennsylvania. The 4-H and FFA members of the state will be honored for their dedication to the future of the agricultural way of life.

"The displays of agricultural products and prize animals, the farm equipment and machinery at the Farm Show allow the visitor to see, first hand, the tremendous impact our family farms have on the Commonwealth," Hallowell said.

"We are proud to dedicate this 1980 Farm Show to the people who are truly the 'backbone' of America."

xxx

One reason some cows eat dirt and chew boards is that they are fed more concentrate than forage dry matter. This is more apt to happen than deficiencies of phosphorus and potassium.

The Daubert family, Pine Grove, won all of the Brown Swiss titles at last year's Farm Show. Eleven year old Allen, left, won the 4-H show while his brother, Dennis, captured the honor in the open competition. They were also named premier breeder and exhibitor.

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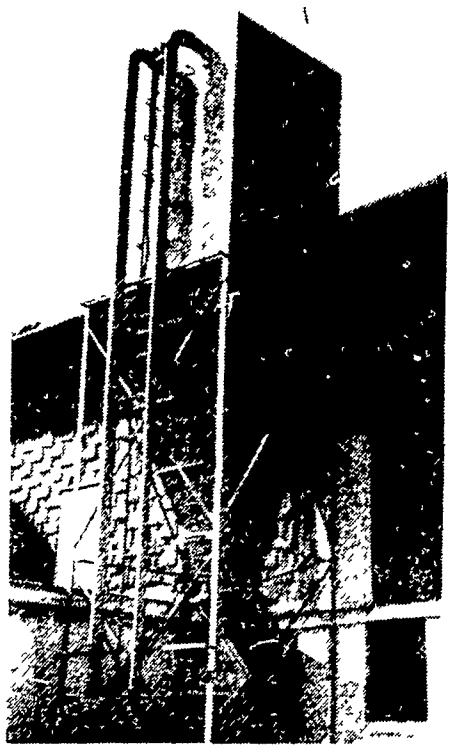

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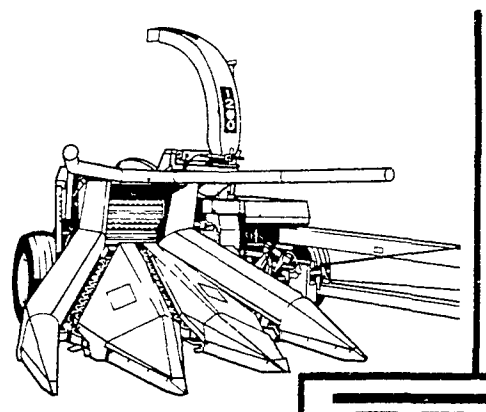

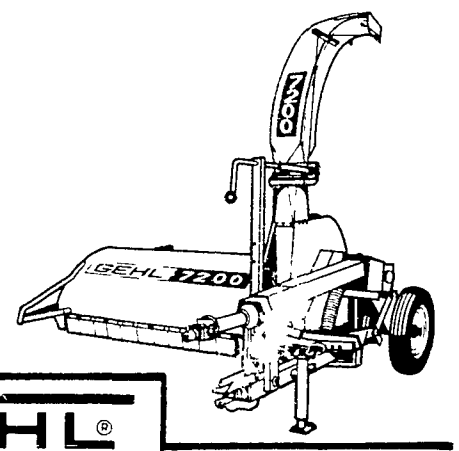

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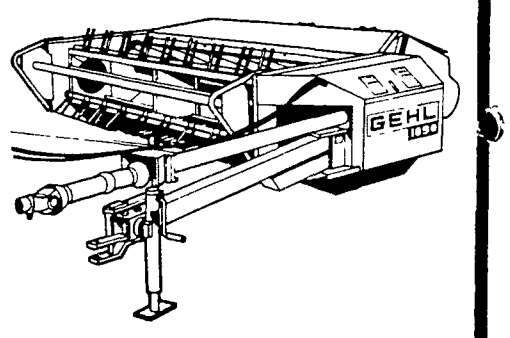

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Here are evening events at Farm Show

HARRISBURG — A highlight of any visit to the Farm Show is a trip to the large arena for evening entertainment.

Monday night, January 7 is Secretary of Agriculture's Night, with events starting at 7:30 P.M.

Many different types of entertainment will be offered to the visitor, including a bluegrass/comedy band, the Contemporary Singers from the Central Penn Business School, two Future Farmers of America oratorical champions, the winners of the National Grange talent contest, and performances from dairy princesses like Eileen Shull, the 1980 Pennsylvania Dairy Princess.

The Zembo Mounted Patrol will also provide a display of precision drill to top off the evening.

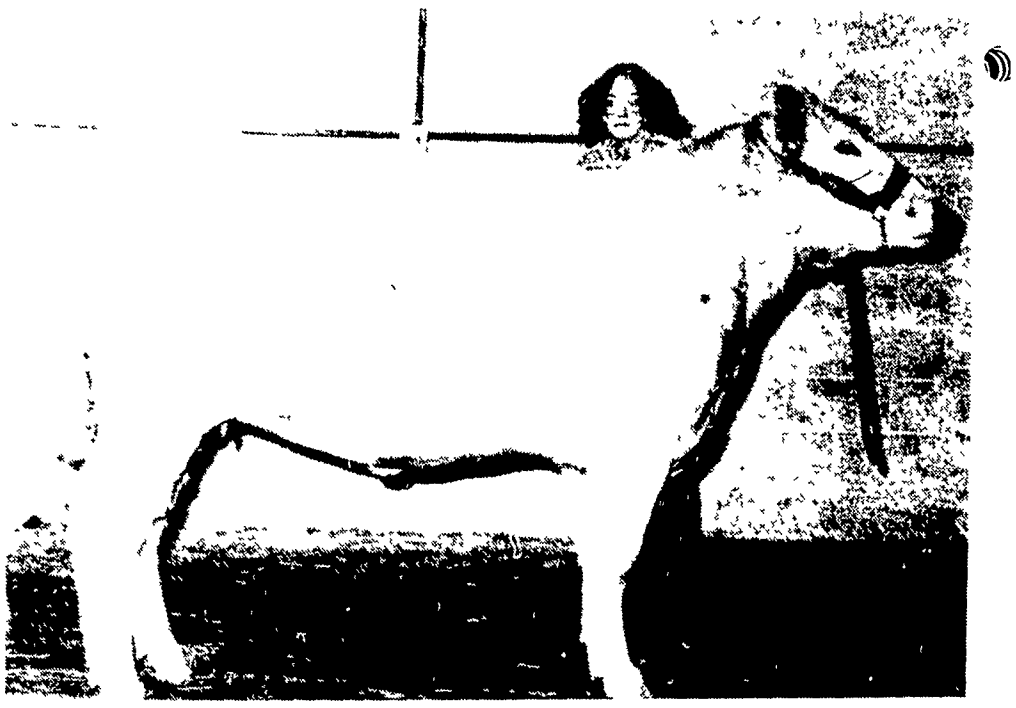
Master Farmers' Night is Tuesday evening, with events starting at 6:15 p.m. The annual Future Farmers of America Band Concert leads off the program, followed by the Folk Dance Festival and Contest at 7:30. The Folk Dance Festival is the largest square dance contest in the nation, annually featuring 480 contestants.

Wednesday night visitors will be greeted by the sight of magnificent draft horses straining at the reins as they attempt to beat each other in the Horse Pulling Contest, beginning at 4:30 p.m. Competition will take place in both lightweight and heavyweight divisions, with a six-horse hitch demonstration during the intermission.

Thursday night is another night for horse and pony lovers, as action kicks off at 6 p.m. with a horse and pony demonstration by the Cumberland County 4-H Horse and Pony Club. The second annual Pony Pulling Contest, a huge success in its first edition last year, will follow.

"We are pleased with the variety of events and entertainment at the Show this year," State Agriculture Secretary Penrose Hallowell noted. "There is something for everyone, from toddlers to great-grandparents in the arena. And whether your taste runs from music to the intense competition of thousand-pound horses, or nightly programs should be a fitting way to top off a day at the Farm Show."

The great variety of evening entertainment, along with daily livestock judging, makes the large arena a place to be during Farm Show Week, January 6-11. Parking for the 1980 Farm Show is available on the 60-acre lot adjacent to the complex. Admission is free and no tickets are needed.



Janice Kaylor, Elizabethtown, exhibited the Junior champion Charolais heifer at last year's Farm Show.

The Fava sisters, Alisa and Renee, shared the top placings in the 1979 Farm Show Guernsey competition. Alisa, left, added a reserve grand champion plaque to her trophy collection, while Renee captured the reserve Junior champion honor.

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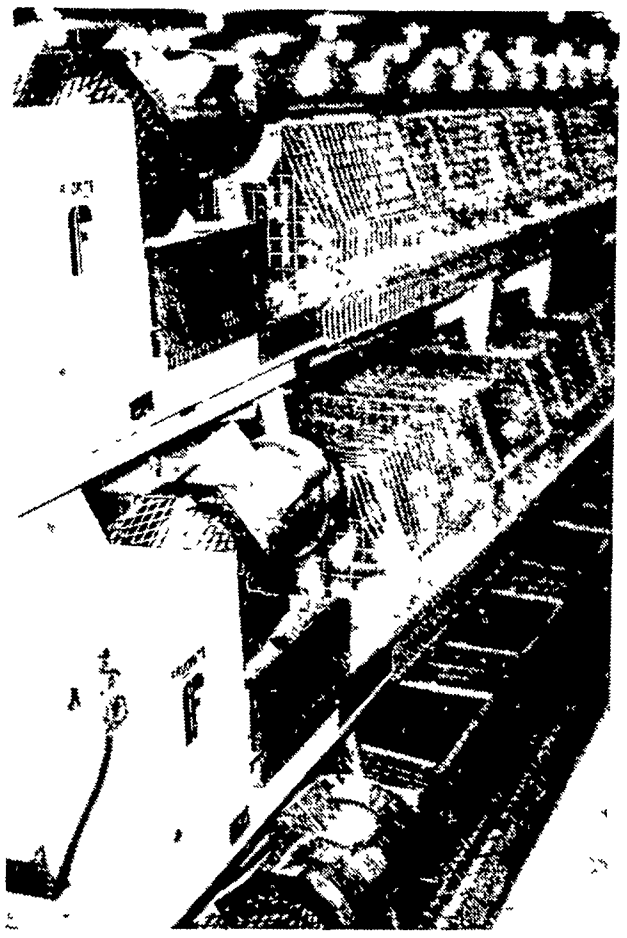

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Crop-hail insurers back new amendments

WASHINGTON, D.C. — Leading representatives of the private crop-hail insurance industry are supporting key amendments to the Federal Crop Insurance Act of 1979 that would protect their industry while benefiting farmers.

The decision to support the amendments was made at the 1979 annual meeting of the National Crop Insurance Association held in December at Lake Buena Vista, Fla.

The proposals were drafted by the bill's sponsor, Rep. Ed Jones (D-Tenn.), chairman of the House Agriculture Subcommittee on Conservation and Credit and Rep. Edward Madigan (R-Ill.). They will be taken up when the bill goes to the House of Representatives for a vote in early spring.

Private insurers had previously opposed the bill unanimously on the grounds that it gave the federal crop insurance program an unfair advantage in the crop insurance marketplace through widely expanded coverage and heavily subsidized premiums.

The proposed amendments would:

Provide farmers with the option of substituting private hail insurance for federal hail insurance within the Federal Crop Insurance Corporation all-risk policy package. The option includes a flat credit toward the premium equal to 25 percent of the FCIC policy premium.

Provide federal reinsurance benefits for all-risk policies written by private insurers and require test programs to guarantee that the reinsurance program is implemented in at least ten states by crop year 1982.

Require the FCIC contracts with private insurers provide terms and conditions compatible with existing industry standards for similar services in order to ensure that federal and private policies are complementary.

The changes would give the private crop-hail insurance companies an improved position in relation to the bill's benefits, protect agent's rights in selling, serving and owning the business they write, give farmers the option to choose the product and seller they prefer and put private industry and the federal government in a cooperative rather than competitive position.

The National Crop Insurance Association is an organization supported by the majority of private crop-hail insurers and service organizations.

At the annual meeting, the group also elected the following to serve as officers for the next two years: president – Donald E. Smith, executive vice president, American Hail Management Inc., Armand, Fla., first vice president - J.W. (Bill) Greene, assistant vice president, American States Insurance Co., Indianapolis, Ind., and second vice president – Roy E. Jeffries, vice president, Old Republic Insurance Co., Chicago, Ill

Crafty Creators stitch pillow wreaths

FLEMINGTON, N.J. — The last meeting of the Crafty Creators 4-H Club was used to finish work on clothing articles that were started earlier in the year. The meeting was also used to make Pillow Wreathes. These wreathes are made by making a pattern from a mason jar lid, stitching around the edges and pulling the thread halfway until there is only a small opening. This opening is used to stuff the pillow. After it is stuffed, pull the string until the opening is closed. It takes twelve pillows to make a wreath. You then sew the pillows together forming a circle for the wreath which makes a nice Christmas decoration. Reported by Ruth Tannahill, Club Reporter.

Use gasohol carefully

LANCASTER - Gasohol, a highly volatile mixture of 10 per cent alcohol with gasoline, may be a means of easing the energy crunch for fossil fuels, says James Garthe, Extension agricultural engineer, The Pennsylvania State University.

Gasohol is becoming increasingly available in many areas and users should be made aware of precautions in using alcohol-gasoline mixtures.

A potential safety problem is the tendency for gasohol to spurt out of the fuel tank when the filler cap is removed. Another hazard is the deterioration of gaskets and seals used in the fuel system.

Gasohol causes a much faster breakdown of gasket materials used in carbureators and fuel pumps today. This creates some serious leaks and wastes fuel. The fire hazard, especially with above-engine mounted fuel tanks, can be quite serious from an "eruption" or a "bad gasket".

Gasohol should be stored underground to minimize fuel losses from vaporization and to prevent excessive pressures.

Tanks, lines, connectors and associated parts should not contain aluminum. A milky sludge will be formed of aluminum oxide and water. This sludge can cause clogging of the fuel system and other problems in an engine, cautions Garthe.

Some additional tips for using gasohol are:

–Make sure the fuel filler cap fits properly and vents in the cap are not "clogged".

–Inspect the fuel system regularly for leaks.

–Avoid aluminum contact with gasohol.

–Do not remove the gas cap when the engine is running or hot.

–Never use glass, plastic, or flimsy metal containers.

–Do not smoke around gasohol.

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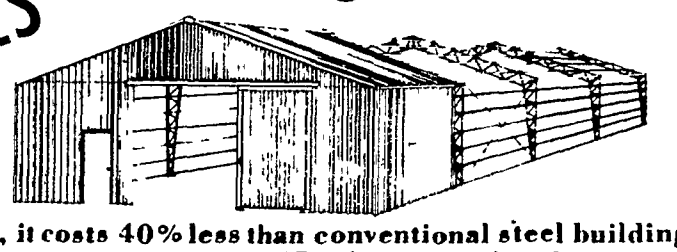

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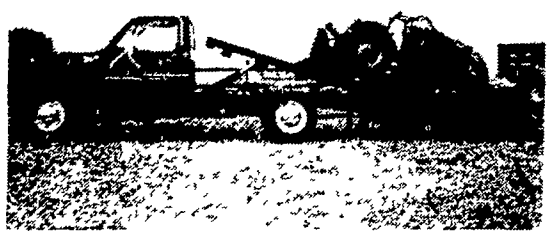

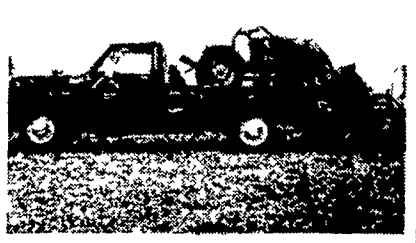

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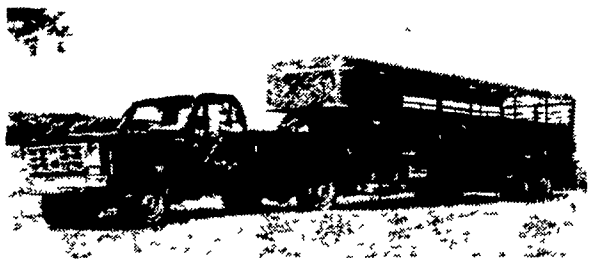

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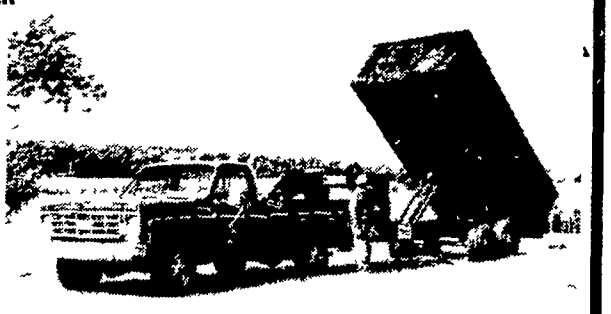

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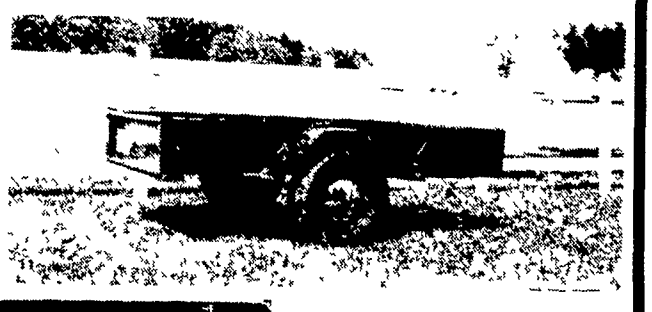

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Social disease may control Mexican bean beetle

BELTSVILLE, Md. — A "social disease" is being tested by USDA scientists here as a biological weapon for controlling the Mexican bean beetle.

The social disease is actually a parasitic mite that lives on the beetle's body. One hundred times smaller than the beetle, the mite feeds on the undersides of its host's wings, and waits for an opportunity to crawl onto another beetle That chance arrives when the beetles mate.

If current experiments at USDA's Beneficial Insect Introduction Laboratory show that the mite can help control Mexican bean beetles in the U.S., scientists will already have an excellent dispersal system for the new bio-control--the beetles themselves.

The Mexican bean beetle is the worst insect pest of bean crops in the U.S. In 1974, farmers in Mid-Atlantic states spent over $5 an acres on insecticides aimed at the pest.

The parasitic mite does not occur naturally in this country. It was imported for quarantine study from Central America where USDA entomologist Floyd Smith observed that "in fields where the beetles were not destructive, close to one hundred percent of the bean beetles were infested with the mites."

USDA tests show the mite does not infect beneficial insects.

At the lab this spring, the mite passed a critical test, by overwintering. Smith and entomologist Robert F. Schroder infested beetles with mitees last fall and placed them in special field cages. Up to 75 percent of the beetles still had mites in the spring.

Now Smith and Schroder will find out if the parasitic mite can join the parasitic wasp in fighting bean beetles- yes, the parasitic wasp.

In 1973, USDA scientists imported a non-stinging wasp--another natural enemy of the beetle–from India. After research done by University of Maryland scientists, the wasp was unleashed.

It has done well, greatly reducing the need for spraying insecticides on bean beetles in many areas of Eastern states. But, the wasp does not survive winter.

Each spring, state agriculture departments in Maryland, Delaware, New Jersey, South Carolina and Virginia must redistribute the tiny beetle fighters. (In north and central Florida, and southern Georgia and Alabama, researchers predict that the wasp will have to be released every two or three years.)

The wasps lay their eggs in the larvae of the bean beetles and young wasps simple eat their way out, killing the larvae.

However, even with redistributions, Smith says, "you can't expect to have enough wasps in the field when the beetles emergy from hiberation. By the time the wasps increse their numbers sufficiently, the beetles have a head start."

Unlike the wasp–larvae relationship, the mite-beetle system is self-perpetuating.

The mites stay with the beetles through the winter and bio-control begins when spring's warmth wakes up the beetles. The mites suck the lifeblood of the beetles, reducing their vitality and ability to lay eggs.

The parasites are part of a growing arsenal of non-chemical methods form the USDA laboratory for controlling the Mexican bean beetle. USDA entomologists and plant breeders may soon realese soybean varieties that are resistant to the beetles, as well as to other soybean pests.

And, in a project just getting underway, scientists are looking at certain viruses that cause insect diseases, as possible bio-control agents against the beetles.

With man interfering with the beetle's sex life, diet and general health, one would think the critters would leave us our limas, snaps, and soybeans, and go elsewhere. At least, say USDA officials, the new control weapons should be safer and cheaper to use and that the Mexican bean beetle probably will become less of a nuisance to farmers.

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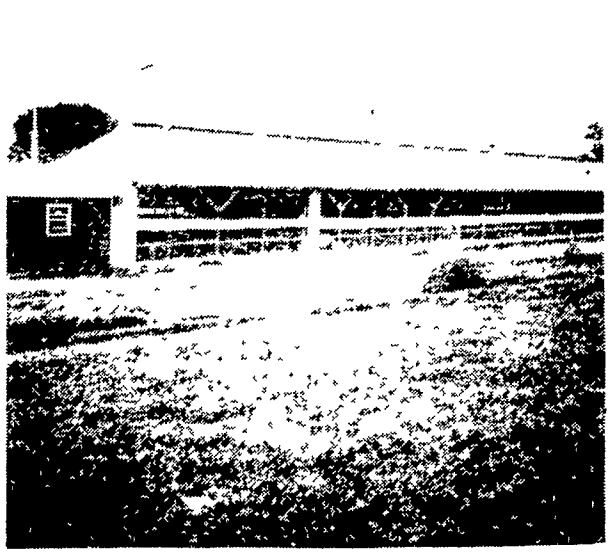

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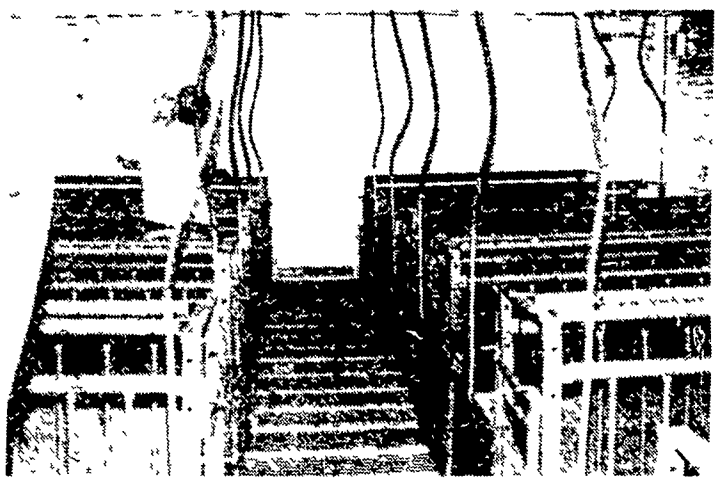

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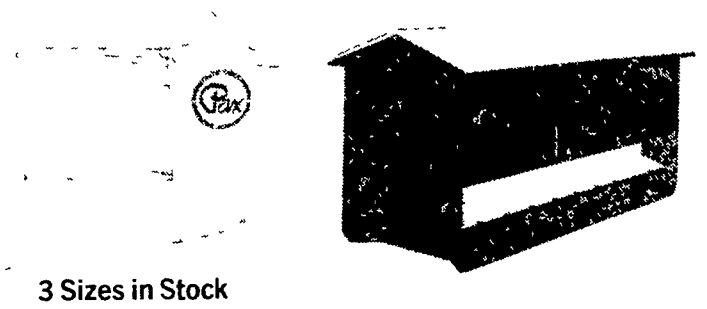

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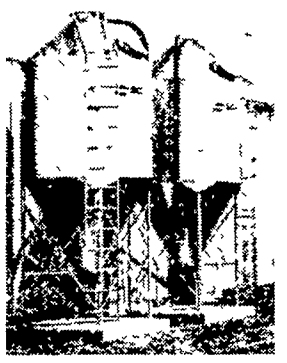

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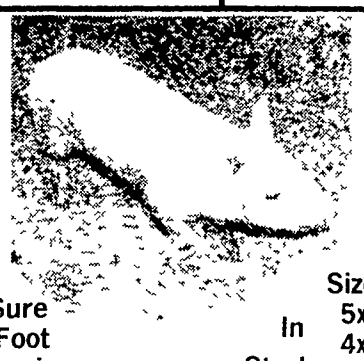

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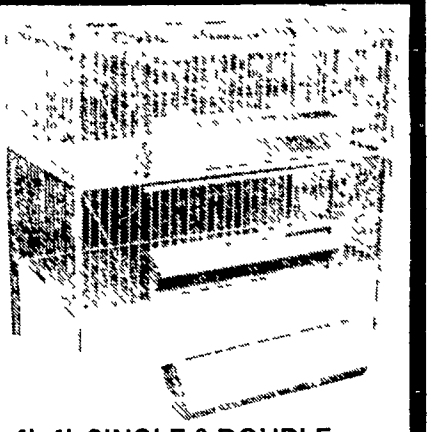

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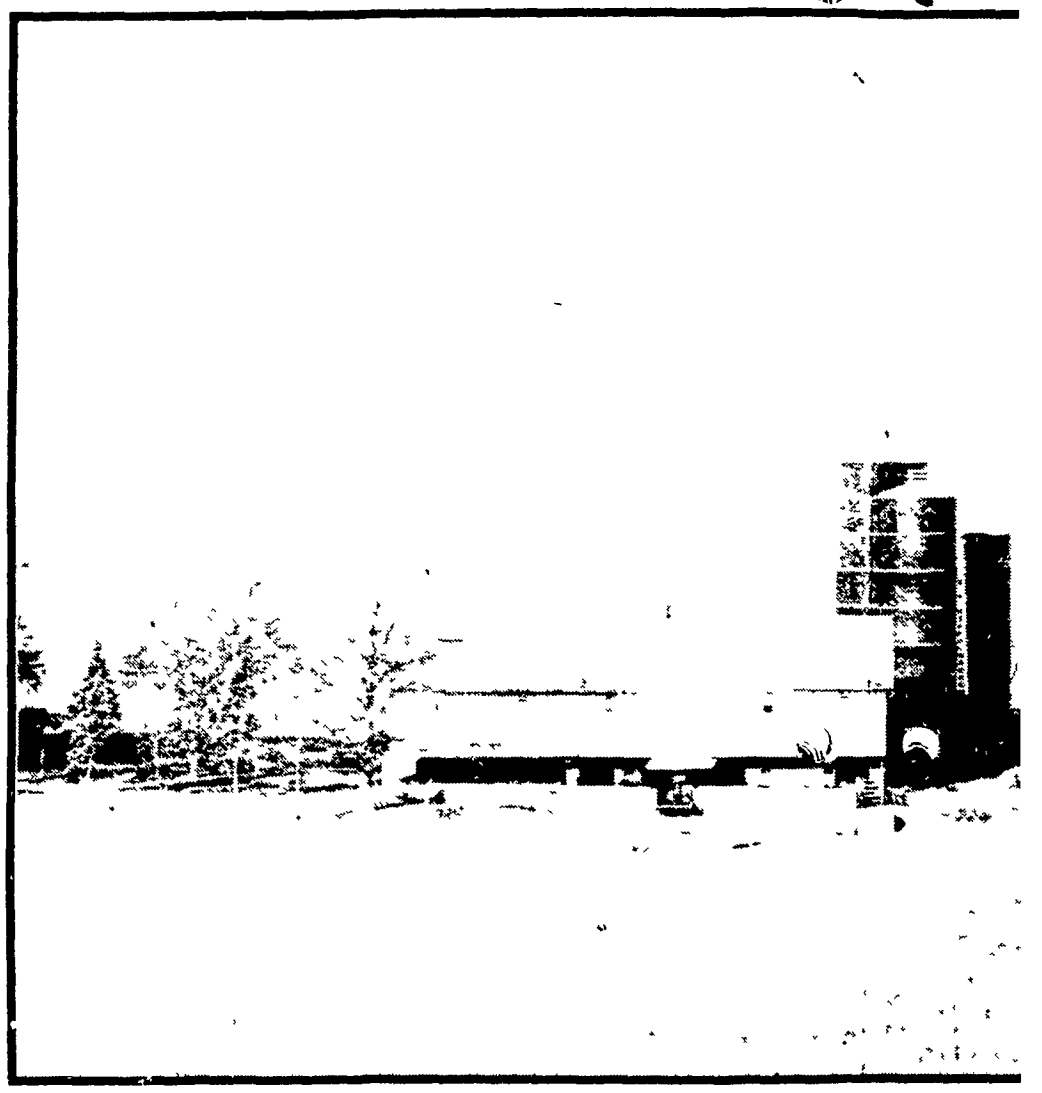

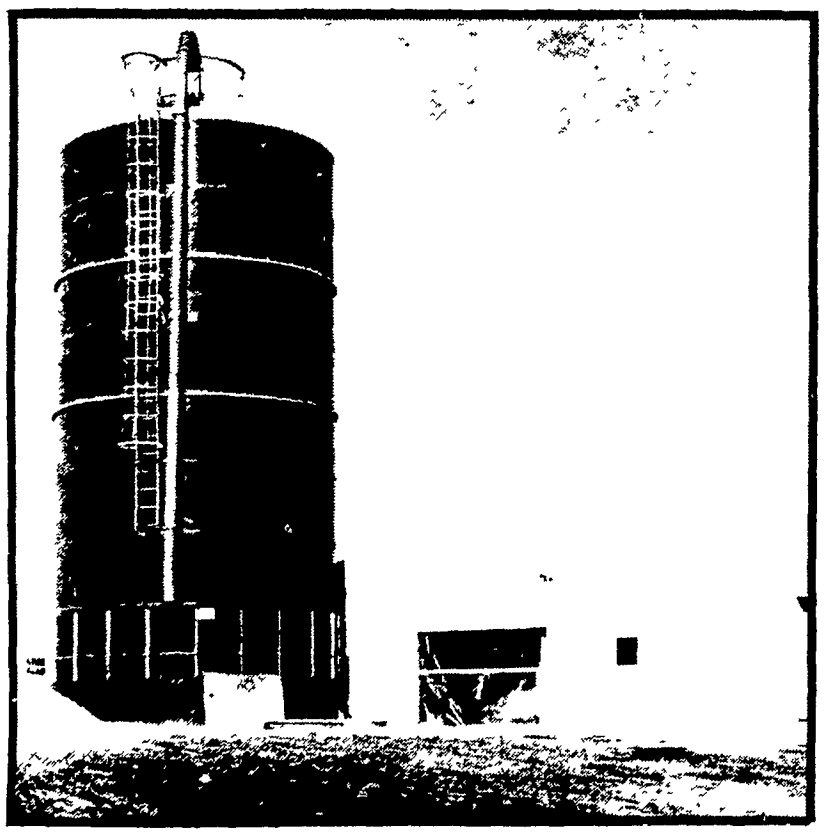

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Cattlemen expect 3 percent drop in U.S. beef production

DENVER, Colo. — U.S. beef production in 1980 is now estimated to decrease by about three percent from the 1979 total, the National Cattlemen's Assn. said Monday.

Total cattle numbers and basic breeding herds are now increasing after the prolonged liquidation period of the 10-year cattle cycle, NCA noted, but beef production cannot increase again until the offspring of the additional cows are fed out for market.

Economists with Cattle-Fax, the market analysis service associated with NCA, are estimating that U.S. beef output in 1980 will total 20.4 billion pounds on a carcass weight basis, compared with 21.1 billion in 1979 and 24 billion in 1978 Total per capita beef supplies in 1980 will be about 103 pounds on a carcass weight basis (76 pounds, retail weight), compared with 106 lbs. in 1979.

"Beef prices no doubt will fluctuate substantially during the year, just as prices of commodities like beef have fluctuated in the past," Cattle-Fax said.

"However, it now appears that, for the year as a whole, the retail price average may be up by around 10 to 15% from the average of $2.25 per pound for Choice beef in 1979 About 5% out of the 15% might be a result of the smaller beef supplies, with the rest attributed to inflation and rising costs of energy and of processing and distributing food"

While beef output will be down somewhat from 1979, production of other meats will continue large, particularly during the first part of the year, when both pork and poultry output will exceed comparable 1978 levels.

"With smaller total cattle numbers and smaller beef supplies," said NCA President Lauren Carlson, "the economic situation for most cattlemen has improved over what it was during the 1974-77 period. However, costs have increased very rapidly, and many cattle feeders, for example, have recently been losing money again.

"The size of the nation's cattle herd now appears to be increasing, and total cattle numbers on Jan. 1, 1980, should be up by about two percent from a year earlier However, it appears that the rebuilding phase of the cattle cycle is being slowed significantly by inflation, rapidly rising costs, the tight supply of money and high interest rates.

"In view of the current economic situation and outlook, many cattlemen are unable to expand or to reenter the cattle business, and many lenders as well as producers and potential producers are hesitating to increase investments or to reinvest in the beef business. If this situation continues, the growth in beef output during the next few years may be less than we previously anticipated."

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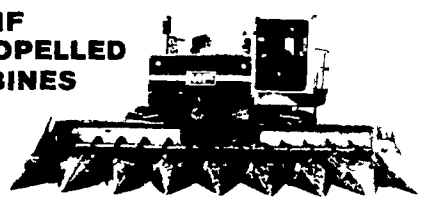

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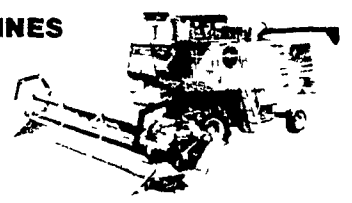
USED COMBINES



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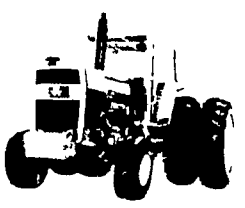

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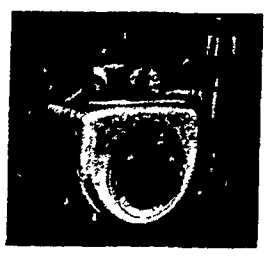

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Solar energy eyed for broiler industry

COLLEGE PARK, Md. — Despite its relatively high costs, solar energy will reduce the amount of liquefied petroleum (LP) gas used in the U.S. poultry (broiler) industry, University of Maryland scientists say.

The scientists are part of a multidisciplinary Maryland Agricultural Experiment Station team studying the use of solar energy as a replacement for conventional fossill fuels in the broiler industry.

"Finding alternative uses for overflow energy...and reducing fixed costs of solar facilities are the keys to economic feasibility of solar energy in broiler production," says a conference report by agricultural and resourse economics professor Jarvis L. Cain.

"We've already done some work on cost reduction," Cain explains. Excess energy produced by the experimental solar power system could be used for heating farm houses and buildings or drying grain, Cain says.

Adapting broiler management procedures to use the solar energy system a greater portion of the year and modifying the system to reduce fixed costs are additional possibilities, Cain says.

His economic analysis of the heating cost of raising broilers under a solar energy system as opposed to a conventional LP gas heating system revealed that the cost per 1,000 birds was $54.43 under the first and $13.54 under the second.

While preliminary findings indicate that solar energy is a costly alternative, Cain and his associates are convinced that the use of the sun's energy for poultry production and other farming activities looms as a future possibility.

"I think we can look forward to the increased use of solar energy in agriculture" says research team leader Kenneth E. Felton, associate professor in the department of agricultural engineering. He says researchers working at the environmental research broiler facilities at the university's poultry research farm near Salisbury, Maryland, are considering a number of approaches aimed at lowering the cost and improving the efficiency of solar energy systems.

Felton says skyrocketing costs and growing scarcities of conventional fuels are other critical factors that will speed the adoption of solar energy on the nation's farms.

The poultry-related energy research is funded by the Maryland Agricultural Experiment Station, the U.S. Department of Energy, and Delmarva Poultry Industry, Inc. The studies are a phase of a more than five-year effort by university researchers to find ways of stemming rising energy costs in poultry production.

Maryland broiler producers spend $43.5 million on heat, light, and power to produce 397 million broilers in 1978. Energy added 11 cents to the cost of each broiler produced.

University researchers believe energy can be conserved and used more efficiently in poultry production without sacrificing product quality.

Earlier experiments at the Salisbury farm have improved the functional efficiency of the experimental solar energy system. The system initially used hot water to store and transport collected energy, but has been modified to a heated rock storage and air transport system.

Increased energy efficiency resulting in savings of more than 78 percent of the LP gas normally used by the facility occurred when limited area brooding (raising the broiler in a reduced area) was combined with solar energy heating.

Researchers also have experimented with modifying the energy used to light and ventilate broiler growing facilities. Some of the tests have resulted in substantial savings without adversely affecting the health or growth of the broiler.

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Group to compete in square dancing

READING — Competing in the 23rd Annual Folk Dance Contest at the Pennsylvania Farm Show in Harrisburg on Tuesday evening, January 8, is the Marion Grange group from Berks, reports County Agent J.F. Haldeman.

The contest, which is open to all clubs, groups and organizations in Pennsylvania, should prove a very colorful spectacle. Groups from 18 Counties have been accepted in the competition.

The Marion Grange group has been practicing the numbers which the entire 60 sets in the competition will be performing together.

The Danish system of judging is to be used, which may result in more than one set finishing in the Blue Ribbon Class.

In order to win cash awards, the sets will first perform enmass, then the judges will select the better dancers to compete for Blue, Red, and White ribbons in each division.

Any number of sets may be placed in each category by the judges.

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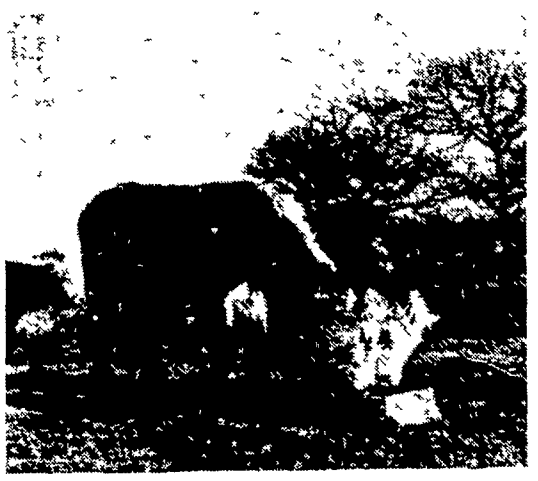

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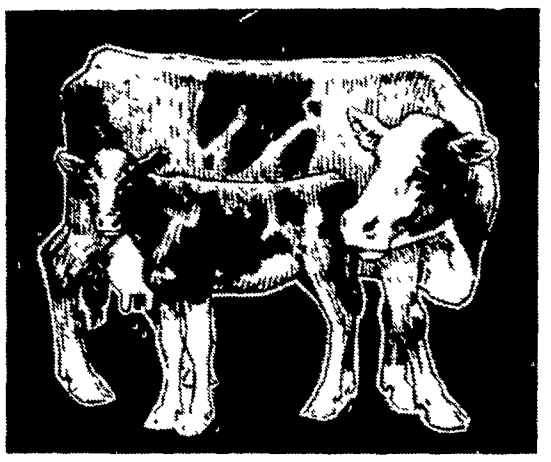

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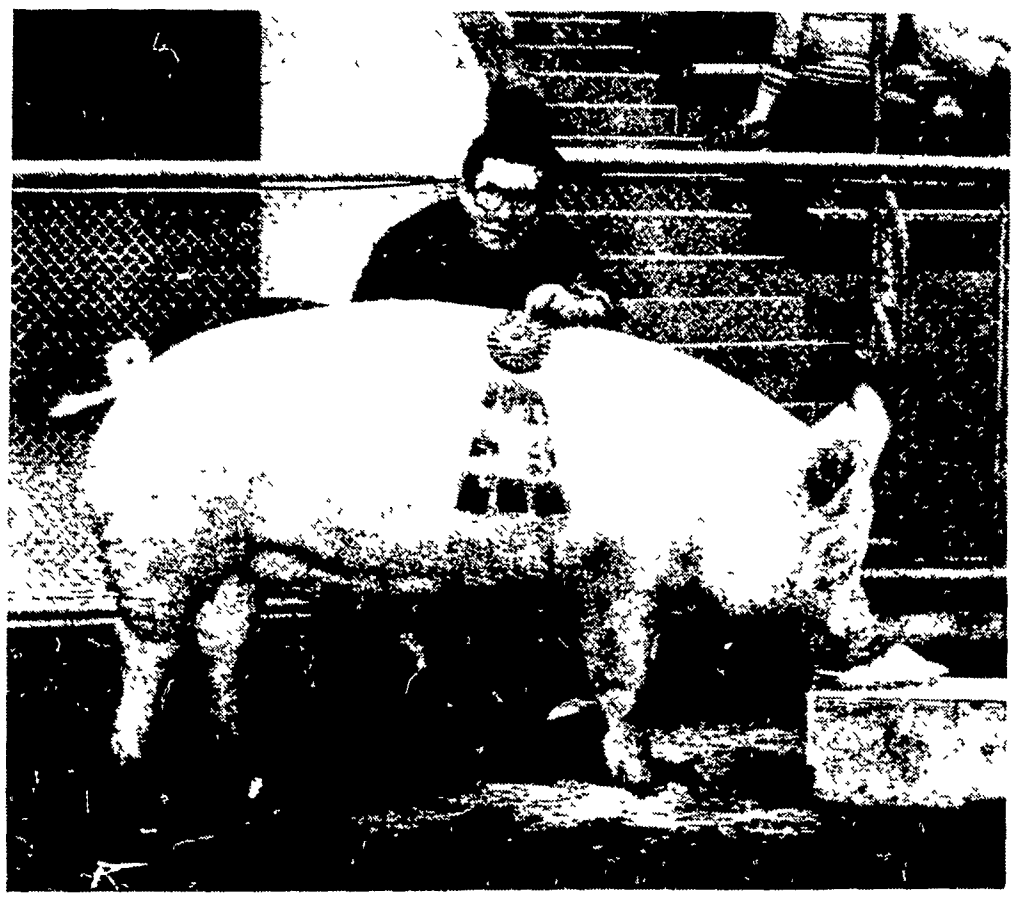

Last year's Yorkshire champion was exhibited by Craig Miller, Spring Grove R1.

Michael Miller, Dauphin County, ties up the top two honors in last year's Junior competition during the Holstein Show, showing the champion and reserve grand champion.

Farm Show weather: frigid fact or fiction

HARRISBURG — There's an old Pennsylvania proverb that says Farm Show Week and bad weather go together. This idea has gained such acceptance that any type of "bad" weather in the Harrisburg area has residents talking about "Farm Show Weather."

Every year Farm Show officials keep their fingers crossed weatherwise. They look at weather reports of Farm Show Weeks beginning with the first Farm Show in 1917.

The National Oceanic and Atmospheric Administration Office in Harrisburg provides the records which reveal that the average Farm Show over the 64-year period has experienced only two days of inclement weather.

State Agriculture Secretary Penrose Hallowell, chairman of the State Farm Show Commission, notes that there have been 36 Farm Show Weeks with less than one inch of snow, and 19 show weeks with no snow at all.

"The nice thing about the Farm Show is that no amount of bad weather can dampen the enthusiasm of the hundreds of thousands of visitors who come to Harrisburg every January," according to Hugh Coffman, Farm Show Director. "From Farm Family Day on Sunday, January 6 through the sale of the Champion 4-H Baby Beef, our show generates enthusiasm for all."

Five shows have had perfect weather, according to NOAA records. The four-day shows in 1921 and 1922, the five day shows in 1934, 1953 and 1973 all shared this Farm Show record.

The 1973 show broke all existing attendance records as more than 730,000 visitors flocked to Harrisburg in crisp, clear winter weather..

"The biggest snowfalls in Farm Show history," Hallowell said, "came in 1964 with 18 inches of snow on the ground, in 1918 with 16 inches and in 1970, when a Sunday night snowfall put 14 inches on the ground. The 1964 snow, 14 inches, was far and away the worst in Farm Show history."

Zero degree weather struck only two Farm Shows, with six below recorded in 1936 and two below zero in 1957. The high temperature for a Farm Show was hit in 1972 when the thermometer struck 66 degrees.

Hallowell said while chances are against a perfect weather week, four out of the past ten Farm Shows have had only one day of bad weather and better than one-half have had only two days of inclement weather.

xxx

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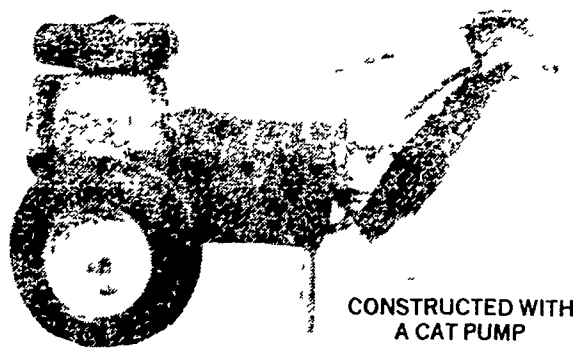

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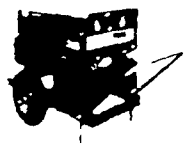

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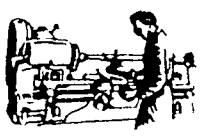

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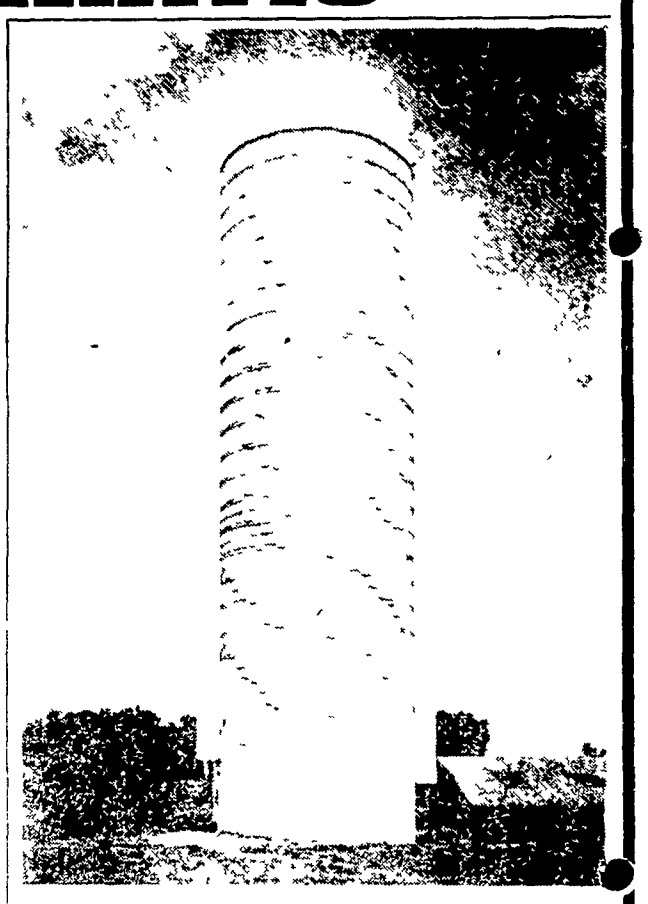

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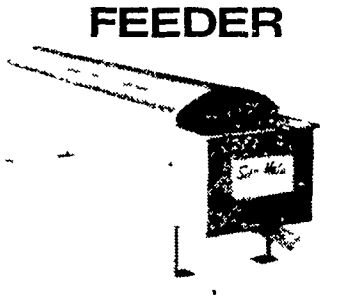

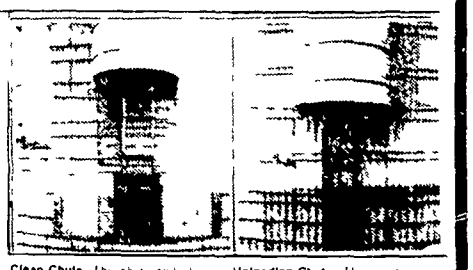

Clean Chute– The photograph shows the clean chute of the Fickes System provides clean entry to the silo at all time. Doors are refrigerator type Fickes Swing back hinged door

Unloading Chute– The continuous door unloading chute shown here with continuous door cover in closed position for unloading silo

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FARMER STUDENT

How to figure cash flow on rabbits

BY HERBERT C. JORDAN
Penn State
Poultry Specialist

UNIVERSITY PARK — One $20 breeding doe eight months old can produce 100 marketable offspring during her three year productive life.

These young, nine-week-old rabbits at five pounds each can sell for $10 when used for laboratory purposes or $2.50 live, wholesale for meat purposes or $4 each for a three-pound dressed fryer rabbit retail to the consumer.

So, the gross capital flow or revenue or income generated by one breeding doe in three years can be $1000 selling all bunnies to laboratories; $250 selling live as live wholesale at 50 cents per pounds on the hoof; whereas retail sales of all 100 young rabbits at $4 each for meat would generate $400 total income or revenue. This budget requires a working manager.

Expenses subtracted from this revenue would include a charge of $10 for housing, $5 interest on equity, $10 miscellaneous charges, $30 charge for parent breeding stock, $10 for equipment cost, $20 labor cost and $170 feed cost.

Adding all these together give expenses of $255 producing all 100 young from one breeding doe over a three year period.

We further see that selling all rabbits wholesale for meat would not be profitable; however, selling for laboratory purposes could turn a seven hundred forty-five dollar profit in three years.

This, however, would require selling disease-free stock which takes knowhow and superb management to accomplish. Only a few do well in lab rabbits.

If we add a processing and marketing expense of $1 per rabbit to the $2.55 production cost per rabbit we then total production, processing and marketing cost of $3.55 per dressed oven-ready rabbit.

The 100 young rabbits then have a total PPM (production, processing, marketing) cost of $355 and an income of $400 or a profit per doe of $45 over a three year period. Some experienced rabbit growers' production costs are lower and profits higher.

All of the above calculations are estimates and can only take place if the rabbit producer has a satisfactory market for rabbits all year round.

To profit from rabbits the grower must be a professional who has considerable experience and 30 to 500 breeding does.

Some rabbit growers do quite well financially with rabbits while many lose money. The financial variability in the rabbit business is still quite wide.

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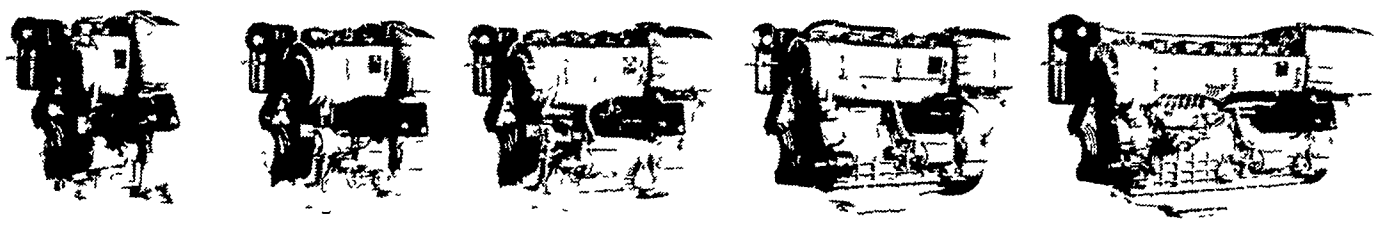

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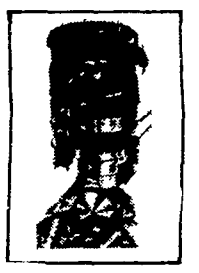

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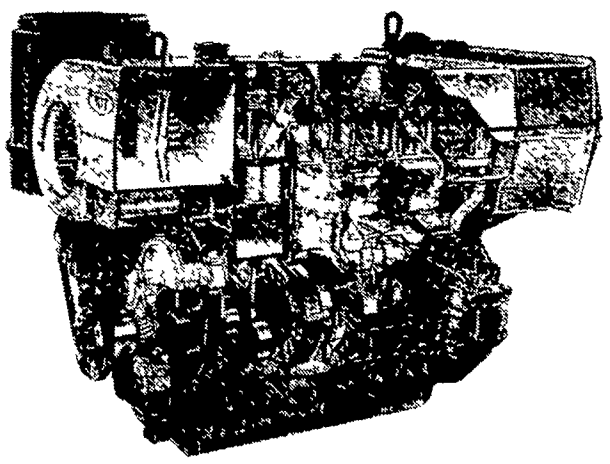

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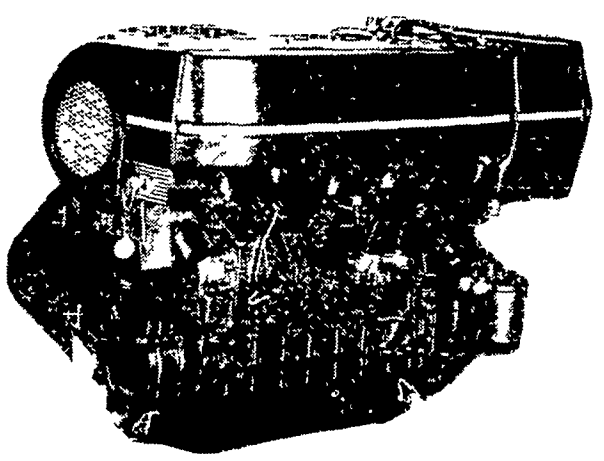

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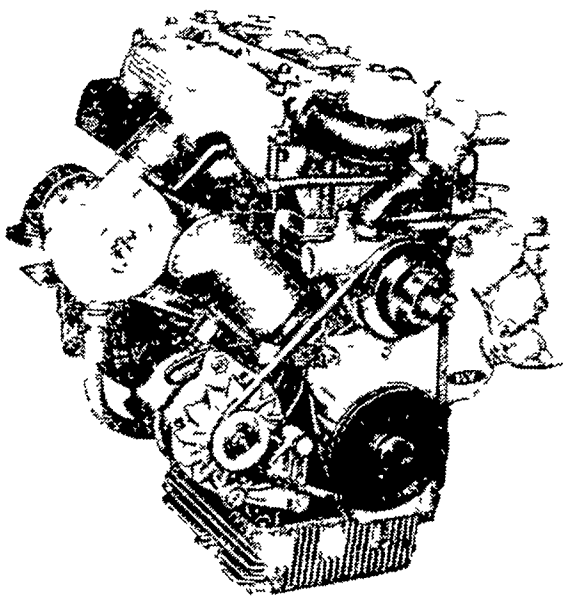

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Farm Show opening to feature farm products

HARRISBURG — The grand opening of the 1980 Farm Show on Sunday, January 6 will feature the many products produced by Pennsylvania's Farm Families, according to State Agriculture Secretary Penrose Hallowell.

Hallowell said Sunday has been designated Farm Family Day in keeping with the theme of the 1980 Show, "Pennsylvania Farm Families – Producing the Finest Quality For Your Table."

Governor Dick Thornburgh will officially open the Farm Show at ceremonies in the large arena at 1 p.m. Representatives of Pennsylvania's agricultural associations, including many commodity queens, will be introduced and will offer visitors the chance to sample Pennsylvania grown foods in booths on the arena floor.

The Farm Show opening also marks the kick-off for a statewide promotional campaign which Hallowell says is aimed at calling public attention to the diverse agricultural products which are grown and processed in Pennsylvania. Governor Thornburgh will unveil a new logo and slogan which will be used to identify the Pennsylvania products.

In recent years, Sunday of Farm Show Week was reserved for the Governor's Preview and Press Tour, an invitation-only event requiring tickets and parking passes.

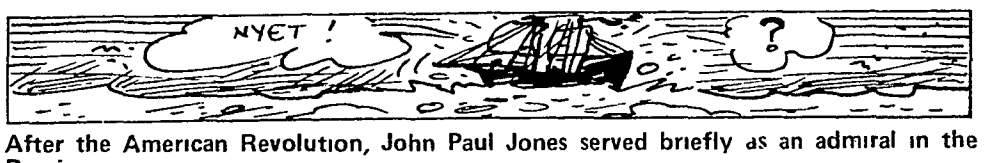
Hallowell said the change to a public opening has been made in recognition of the fact that many families find it difficult to attend the show during the week, due to employment and school conflicts.

Hallowell has invited the public to join in the opening day of this 64th edition of the Farm Show. Admission is free and no tickets are needed. Parking will be available for visitors on the Farm Show's 60-acre lot.

J.C. Enterprises, Ringgold, had the grand champion Charolais female at the 1979 Pa. Farm Show. Taking the top honors was J C Ladymont 732, a summer yearling heifer.

Bill Henley, Cochranville, exhibited the reserve grand champion and reserve senior champion Ayrshire in last year's Farm Show competition. Towerview Kellys Heather, a 5-year-old, was also named grand champion of the Youth division of the show.

The champion Landrace gilt was exhibited by Bonnie Wessner, new Tripoli R2. Pictured with the champion is Harlin Wessner.



After the American Revolution, John Paul Jones served briefly as an admiral in the Russian navy.

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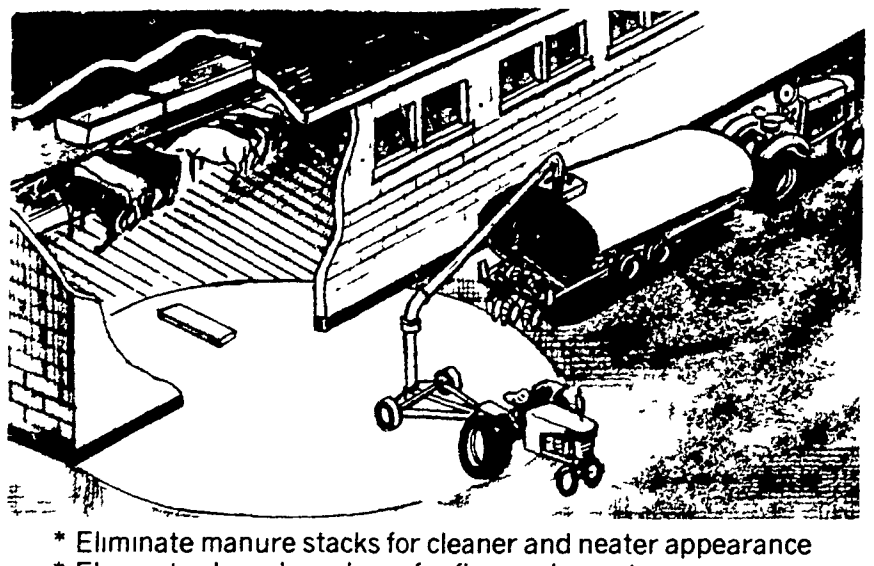

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Solar grain dryer makes a "bushel"

JACKSON COUNTY, Ohio — "I bought it all at the local cash and carry hardware," said Chuck Harley, a farmer here trying to beat the high cost of energy by building his own solar grain dryer.

"The total cost was just a mite under the $600 I had estimated," he said. "Since I spent a bit more than $600 last year for the propane gas I used to dry my corn, I figure this dryer will soon pay for itself."

The dryer is an amazingly simple triangular structure with a 12x24 foot collector surface. On any sunny or cloudy-bright day the sun heats the air in the collector. An electric fan draws the warm air off through a duct into the bottom of a grain storage bin. The air rises through the grain and leaves through the bin's top, taking moisture with it

Harley is a full-time employee of the Goodyear Atomic plant in neighboring Pike County. With his weekends, evenings and other free time he also operates a 150-acre farm in this Appalachian foothill region of southern Ohio.

He grows corn, soybeans, wheat and hay on a farm reclaimed from an old peach and apple orchard with the help of erosion control and conservation loans from the U.S. Department of Agriculture.

Last February, a month when farmers get out their pencils to figure cost and profit possibilities of the coming crop season, Harley was worried about increasing operating expenses, especially for fuel.

Leafing through a farm magazine, he saw an article about a small portable solar grain dryer that seemed to him both practical and possible. He sent away for the plans.

After talking it over with friends and other farmers, Harley decided he could build the dryer himself if he could find the money He estimated the cost of materials at around $600

Fortunately for him, the Jackson County office of the department's Agricultural Stabilization and Conservation Service announced about that time it was making farm facility loans for solar grain dryers. When he learned that, Harley lost no time making out a loan application

While Harley became the first farmer in the United States to use a department farm facility loan to build a solar grain dryer, the loans have been available for years to help farmers build on-farm storage facilities and obtain needed grain drying and handling equipment.

It has been only since June 1979 that solar drying units have been eligible — and encouraged — for such loans nationwide, through county ASCS offices using department approved plans.

Loans are also available for commercially constructed solar grain drying systems and for multiple use solar systems — both commercial and homebuilt — provided one of the intended uses is grain drying.

Harley built the dryer out of plywood, greenhouse-type clear fiberglass sheets, 2 x 4 inch studs, hardware cloth and black paint for the solar ray collector. He also needed metal framing and supports and miscellaneous nuts, bolts, hinges and electric wiring for the fan, which runs off house current.

He hooked the dryer up to his 5000-bushel grain bin.

Harley built the dryer on skids so he can use it at other buildings.

Although Harley's solar dryer is designed primarily for crop drying, it can help heat brooding houses and other livestock shelters or farm machine shops and machinery sheds.

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If you have a garden you're one of 33 million

BURLINGTON, Vt. — This year 33 million American households – two million more than in 1979 – grew some of their own food in home or community gardens.

Americans are returning to the pleasure – and treasure – of a garden in their own back yards as inflation and energy worries eat away at family incomes and make energy-expensive leisure activities less attractive.

Results of the 1979 National Gardening Survey conducted by the Gallup Organization were released in the fall issue of Gardens For All.

Forty-two percent of America's 78 million households had food gardens, making gardening one of the most popular productive leisure activities in America.

Survey results indicate food gardening is more popular than 22 other common activities, including fishing, golf, tennis, jogging, photography...even taking vacation trips.

According to the survey 1979 may be a benchmark year because it marks the end of a gradual decline in food gardening that began in 1975, when a high of 49 percent of the households had vegetable gardens. Last year, 41 percent or 31 million of the households gardened.

Gardens For All sponsors the National Gardening Survey each year. It is the only complete survey on gardening available. A free summary of the 1979 survey findings is available from Gardens For All, The National Association for Gardening, Dept. 92000, 180 Flynn Avenue, Burlington, Vermont 05401.

Here are some of the other findings from the survey:

The total retail value of produce from U.S gardens was $13 billion.

The median garden size was 595 square feet, down from 620 last year because new gardeners tend to start small.

The average cost per garden was $19.

The average dollar yield per garden was $386

The total net saving per garden was $367.

Economy, pleasure and taste are the three main reasons for gardening's popularity among gardeners.

Three out of four gardeners preserve some of the harvest, and freezing is the most popular method.

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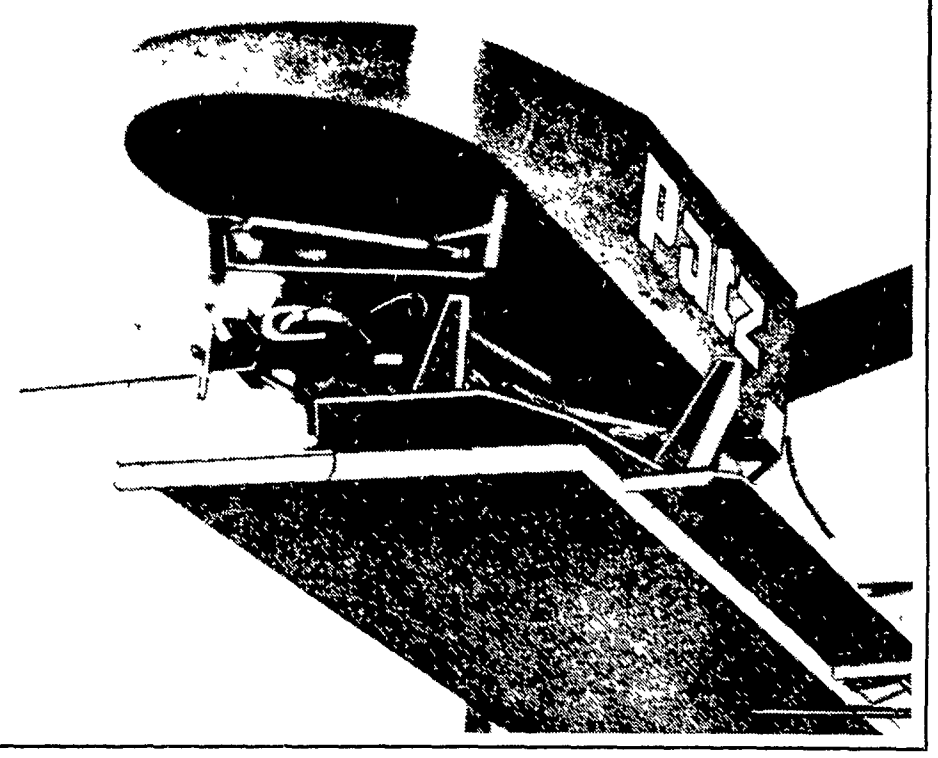

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This land is whose land?

WASHINGTON, D.C. — Draw a line from the western border of Minnesota south to the southern edge of Missouri and then east below Kentucky and Virginia.

Take the combined land area of the 22 States to the north and east of that line, add in North Carolina, and the total is about equivalent to the 493 million acres of U.S. land owned by farmers and ranchers.

Although farmers account for only 8 percent of all landowners, they hold the deed to nearly 40 percent of all privately owned land in the Nation (excluding Alaska).

Looking specifically at farm and ranch land – which represents about 871 million acres out of 1.25 billion acres of private U.S. land – farmers own about half. Around 431 million of their 493 million acres are used in farms and ranches.

Other groups owning farm and ranch land include the retired (in many cases, retired farmers), white and blue collar workers, and big business.

Corporations and large partnerships own about 106 million acres of farm and ranch land, only about 12 percent of the total.

However, for all private land (farm and nonfarm) their share is 16 percent, even though they comprise only 5 percent of all land owners.

At 203 million acres, their total holdings are about equal to the combined land area of California, Oregon, and Washington State.

These figures are among the results of a recent USDA survey on the ownership of privately held land. More than 37,000 individuals, partnerships, and corporations were surveyed in 1978 by the Economics, Statistics, and Cooperatives Service in an effort to find out more about some 28.8 million owners of 1.25 billion acres of private U.S. land – urban, rural, timber, ranch, and farm land.

Of course, privately held land excludes national forests and all other public lands which, including Alaska, account for about 4 out of every 10 acres of U.S. land.

Of this, there are 762 million acres owned by the Federal Government and 136 million acres owned by State and local Governments. In addition, some 51 million acres are held by, or in trust for, American Indians.

One important use of survey information will be to help policymakers design programs which affect land use, such as conservation, farm production, supply management, credit, and technical assistance programs.

When combined with soils and land use data, the information can also provide a check on how prime agricultural land is being used and whether it's still in the hands of farmers and ranchers.

Although the survey shows, as indicated, that farmers and corporations own a much larger share of the land than their numbers might indicate, the reverse is true for other major groups of owners.

For example, 25 percent of all U.S. landowners are professionals or other white collar workers, but this group of owners holds the deed to only 13 percent of all private U.S. land.

Similarly, blue collar workers own just 8 percent of the land, although they account for 26 percent of all owners.

For both groups, the majority probably own residential properties which are typically much smaller than farm or corporate land holdings. However, both groups together do own about a fifth of U.S. farm and ranch land acreage.

Farmers' share of all private land varies from place to place.

By region, they own the largest proportion in the Mountain States, which stretch from Montana south to Nevada, Arizona, and New Mexico. They also hold over half of the private land in the Northern Plains, which includes the Dakotas, Nebraska, and Kansas.

Farmers own the smallest proportion of land in the Northeast (Maryland and Pennsylvania north to Maine).

There the white and blue collar groups dominate in overall landownership, but farmers own about 45 percent of the land in farms.

In its profile of landownership, the survey also provides other important information on these characteristics of owners of private land:

More than 9 out of 10 owners of land (farm and nonfarm) reside in the same county as the land that they own. These landowners hold 80 percent of all privately owned land.

Another 5.6 percent of landowers, with 14.5 percent of the land, reside outside the county but within the same State.

Only 5.5 percent of the land is owned by the 2 percent of the owners who live in another State. And, perhaps more important still, only one-tenth of 1 percent of those owning U.S. land – and a mere 400,000 acres of land (or less than one-tenth of one percent of U.S. land) – is owned by those residing outside the U.S.

Although an estimated 28.8 million owners have title to some U.S. land, landownership by size of holding is highly concentrated. Overall, one percent of the landowners (including individuals, partnerships, and corporations) hold about half of all private land.

At the same time, about 75 percent of the owners hold only about three percent of the land, with title to less than 10 acres of each. Of course, the majority of landholders own residential or commercial properties on small lots, and these may still have considerable value.

Among owners of farm, ranch, and forest land, with their extensive uses, land holdings are more evenly distributed

The largest one percent of owners have less than 30 percent of the land in farms and ranches, a substantial proportion but sharply less than the share held by the top one percent when it comes to all private land.

Concentration is also less pronounced in areas where crop farming dominates than in those where ranch or forestry use is prevalent.

Almost 70 percent of all private land is owned by those over age 50. Only about 16 percent of the owners who hold six percent of the land are under 35.

In the category of ownership patterns by sex, more than 80 percent of the survey respondents were male, but this statistic does not fully reflect joint female ownership through husband-wife holdings and family partnerships.

About a third of the private land is owned jointly by husband and wives.

In the area of race, 9 out of 10 landowners are white and non-Hispanic. They own 97 percent of the land. Blacks, representing four percent of all owners, hold just one percent of the private land, with their largest share – 5.4 percent of the land – in the Delta States of Mississippi, Arkansas, and Louisiana.

More years of education do not necessarily mean more land owned according to the landownership figures.

Those with 8 or fewer years of schooling account for about a fifth of all landowners and own about a fifth of privately held land; both proportions match those of college graduates

According to the landownership survey, only 18 percent of the private land was inherited. About 80 percent of the land was purchased, and three-fourths of that from nonrelatives.

Acquisition from relatives is most common in the Northern Plains where more than 40 percent of the land was either inherited or bought from relatives.

The proportion is only 23 percent of the land in the Pacific States of Washington, Oregon and California.

Purchase from nonrelatives ranges from a low of 51 percent in the Northern Plains up to 69 percent in the Pacific States.

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Sire: Citation R Maple EX-92 GM
Dam: Green-Banks Apollo Gay VG-86
6y-3m 2x 305d 25050 4.1% 1022
2nd dam: Green-Banks Kingpin Crown VG-85
4-05 2x 305d 25880 3.5% 899
3rd dam: Green-Banks Burkgov Daisy VG-89
7-04 2x 305d 24800 3.4% 850

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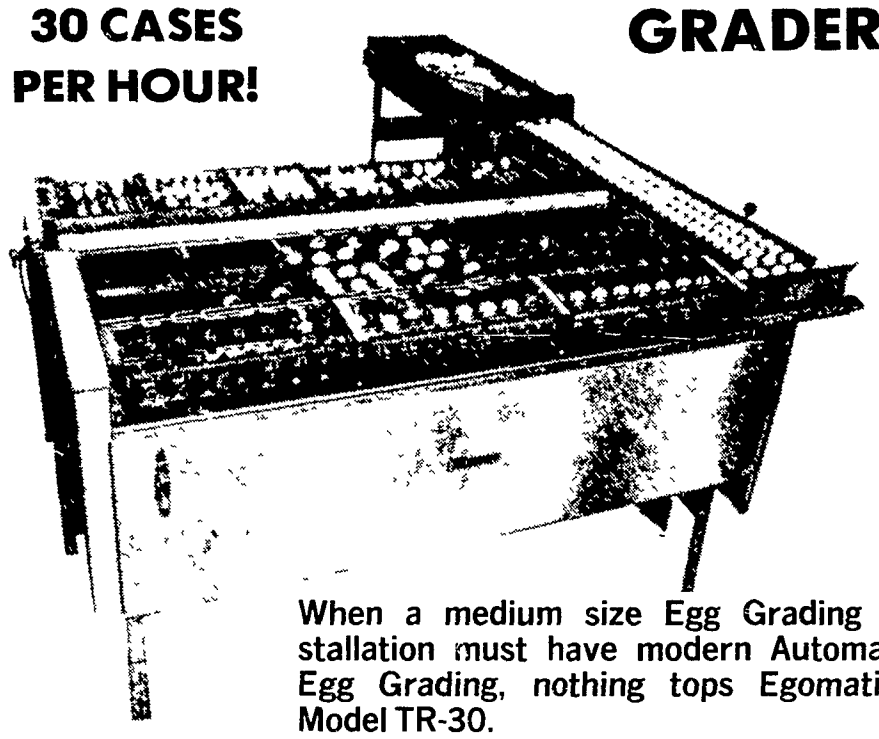

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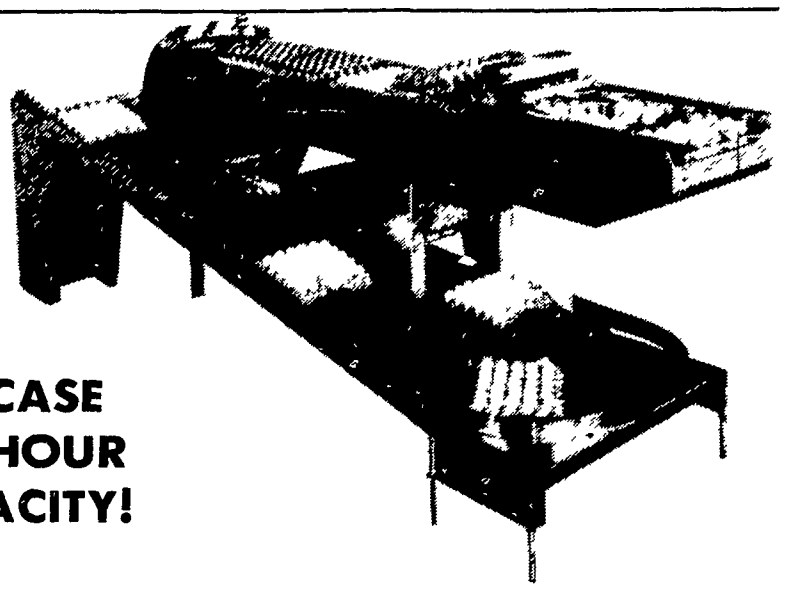

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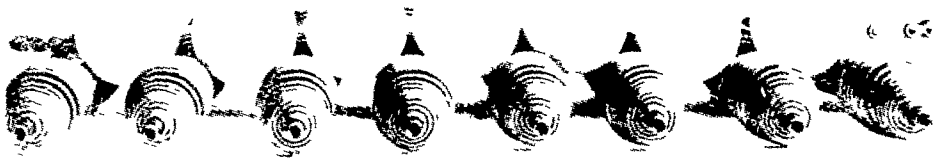

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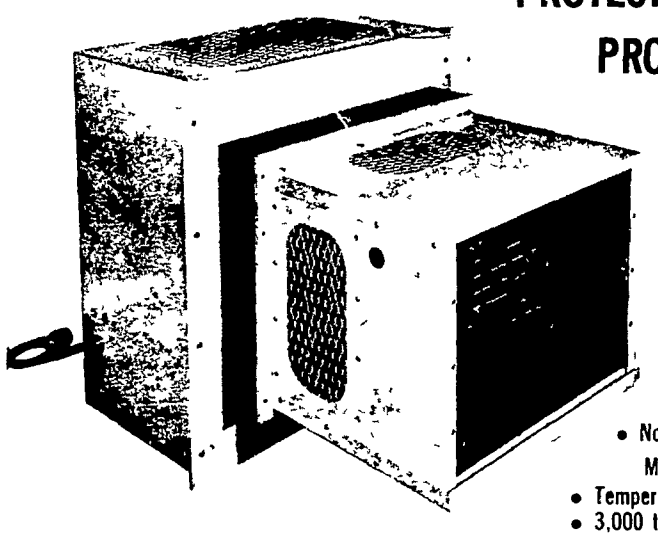

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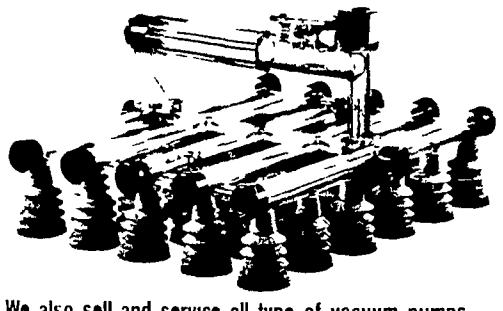

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Livestock Health Council works toward Brucellosis control

KANSAS CITY, Mo. - The search for effective disease management guidelines for brucellosis "got off to a good start" at the recent annual meeting of the United States Animal Health Association, the chairman of the Livestock Health Council said.

Raymond Schnell said he was encouraged by proposed changes in the federal Uniform Methods and Rules for brucellosis that were made by USAHA's Brucellosis Committee. But, he added, "Much more needs to be done before these federal guidelines are workable in today's livestock industry."

The changes in the UM&R recommended by the Committee to the U.S. Department of Agriculture's Animal and Plant Health Inspection Service came as a result of a "tremendously unified livestock industry pointing out the flaws in the current UM&R," Schnell said.

"These changes will reduce some of the red tape, particularly in the areas of dealer licensing and 'S' branding.

"The recommended revisions also endorse the use of a reduced strain of brucellosis vaccine, ease the quarantine requirements on adult vaccinated cattle, and give states more flexibility in dealing with disease."

However, Schnell said, "While we have every indication from APHIS officials that these changes will be incorporated in a new draft of the UM&R which should be released in early December, there are other critical points we want to see incorporated into the federal guidelines." These include:

The reduction of unnecessary restrictions on the legitimate movement of livestock in marketing channels which, Schnell said, are a "tremendous hindrance to the vast majority of honest marketing businessmen and the entire industry."

Placing more responsibility for control of the disease on the buyer and seller.

Stricter penalties for repeated violators, and less time spent "harrassing those persons who make honest mistakes."

Better performance by federal and state agencies charged with monitoring the disease.

"We also want increased emphasis on vaccination, and more research into the economic realities of the brucellosis program. This latter point is often overlooked by the regulatory authorities," Schnell said.

The marketing sector "is keenly aware of its responsibility to all sectors of the livestock industry to obtain a brucellosis program that is effective, workable and economically feasible," Schnell said.

"We gladly assume that responsibility. We will be working and speaking out for such a program — for marketing businesses, the beef sector and the dairy industry — in the months ahead."

The Health Council is the arm of the Livestock Marketing Association which speaks for the marketing sector in matters of animal health. In addition to Schnell, of Dickinson, N.D., the other members of the Council who attended the week-long USAHA meeting in San Diego were Vice Chairman Dr. George Stiles, Windsor, Mo.; Keith E. Myers, Grundy Center, Ia.; W.V. "Bus" Emrich, Norfolk, Neb.; E.D. "Buddy" Neel, Chipley, Fla.; J.R. Taylor, Amarillo, Tx., and Executive Officer Clifford R. Boucher, Austin, Tx.

How to top 100 bushel wheat

UNIVERSITY PARK — What steps do you need to follow to increase your wheat yield to 100 bushels per acre?

Pennsylvania wheat yields have increased dramatically over the last two decades as top yields reach 60 to 70 bushels per acres while the state averages over 32 bushels. This compared unfavorably with yields as of over 200 in the midwest and 125 in Europe.

To push those top yields over the 100 mark, Elwood Hatley, extension agronomist at Penn State, says that it is going to take a maximum research effort. Included on his check list to maximize your yield are:

–finding the best varieties of wheat;

–examining the number of bushels planted per acre;

–working out the best uniform planting depth;

–determining the earliest optimum planting time;

–watching soil fertility, especially aluminum concentration and maintaining a ph greater than 6.0;

–selecting proper fertilization, which means checking the Agronomy Guide, applying the fertilizer before the growth starts, and having a top dressing of nitrogen;

–planning effective weed control and applying herbicides at the correct times;

--monitoring insect population, especially aphids;

–curbing diseases including, soil born fungi, powdery mildew wheat scab and septoria Glum blotch.

Dr. Hatley emphasizes that there is no recipe for growing 100 bushels of wheat per acre in Pennsylvania, however, following his checklist will maximize yield and continued research will someday enable growers to surpass the 100 bushel mark.

Dr. Hatley made his remarks as the concluding speaker at the 1979 Forage, Corn and Seed Conference held at Penn State.

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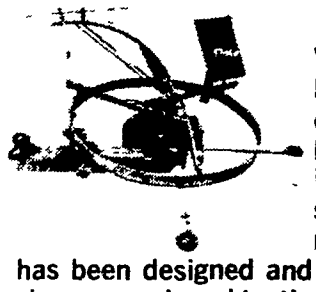

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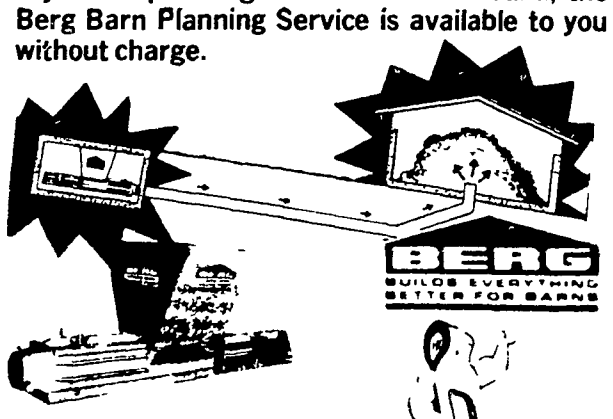

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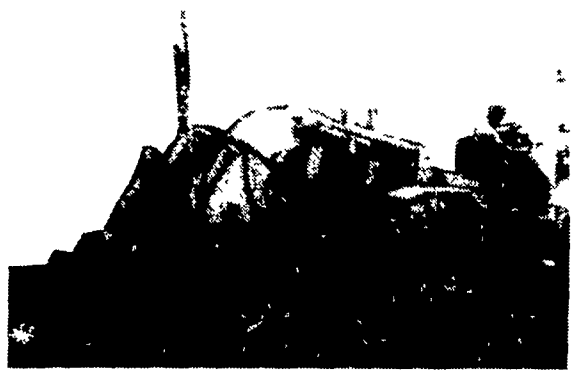

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Thornburgh vetoes proposal to require license photos

HARRISBURG — Gov. Dick Thornburgh last Friday vetoed legislation dealing with drivers' license photographs and automobile emission standards, saying it would "waste money, facilitate fraud, place this Commonwealth in violation of federal law and jeopardize much needed federal highway funds."

House Bill 739 would have made several changes in the Pennsylvania Vehicle Code. The governor's objections, however, were directed at the two sections relating to drivers' licenses and automobile pollution inspections.

The first would have prohibited the state from implementing its long-planned shift to a license that includes a photograph of the driver. The General Assembly ordered that shift three years ago.

Thornburgh said "an eleventh hour reversal of that decision would waste more than a million dollars in taxpayers' money already spent on this legislatively-directed program, expose the Commonwealth to expensive and damaging civil litigation, and deny us a valuable tool, as a society, in fighting crime and commercial fraud."

At an annual cost of 37 cents per driver, Thornburgh said, the program "will facilitate commercial transactions, aid in identification for law enforcement purposes . . and provide identification for Senior Citizens' mass transit and other benefit programs."

"The photographs," Thornburgh said, "will make it much more difficult for pickpockets, muggers and other thieves to misuse the licenses of law-abiding Pennsylvanians."

The governor said some earlier objections to the plan have been answered administratively. The photographs, for example, will be made in easily accessible local public facilities, rather than in private offices.

The plan is scheduled to be implemented in early 1980.

The other section prompting the governor's veto would have delayed implementation of an automobile pollution inspection program mandated by federal law.

Under the provisions of a federal court consent decree, agreed to by the Shapp Administration, the Commonwealth is obliged to begin automobile emission inspections in the Pittsburgh, Philadelphia, and Scranton/Wilkes-Barre areas in the fall of 1980.

The state legislation Thornburgh vetoed purported to delay the automobile inspection program beyond the deadlines mandated by the court order.

"This action would expose Pennsylvania to the immediate threat of contempt of court proceedings and loss of federal highway funds and water and sewage grants," Thornburgh said.

This year the Commonwealth expects to receive approximately $400 million in federal funds from those programs.

"Not only that," Thornburgh said, "but failure to substantially reduce automobile pollution could retard industrial growth, cost us jobs and discourage the use of coal as an energy source in Pennsylvania."

The governor explained that every particle of pollution released into the air by an automobile is one less particle that federal authorities will allow a steel mill or coal-fired power plant to release.

"It obviously is in our long-range best interest," Thornburgh said, "to minimize pollution from those sources that are least vital to our economic and energy needs."

The governor added, however, that "I am not unmindful of the serious questions the General Assembly has raised, in Senate Resolution 73 and concurrent Resolution 222, concerning this program and the court-ordered consent decree mandating its implementation."

"I have therefore initiated discussions between the appropriate federal and state authorities regarding those questions, and I have directed the Attorney General, the Secretary of Transportation and the Secretary of Environmental Resources to review the consent agreement I intend to seek, within the law, any adjustments that would appear to be in the best interest of all Pennsylvanians."

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667 Hartman Station Rd.
Lancaster, PA 17601
717-393-6530

It can pay to ignore alfalfa eating pests

UNIVERSITY PARK — Sometimes it pays to just ignore those pesty alfalfa weevil and potato leaf hoppers.

A point exists where it costs more to control than to just leave them alone. This point referred to as the economic threshold is the subject of an insect management program developed by Stanley Gesell, extension entomologist at Penn State.

The program provides growers with the necessary tools to take the guesswork out of when or when not to spray.

Alfalfa plants withstand some pest damage before spraying is profitable. Damage by the pest needs to be at least equal to the cost of control measures before a farmer can obtain any benefits from spray applications. In many fields, as in the 1979 growing season, this level of damage may never be reached. Thus the farmer spends nothing on control measures.

For a grower to obtain optimum production, he must know the level of infestation in relation to height and maturity of the crops.

Damage from the alfalfa weevil occurs any time from late April to June. Weevil damage is usually confined to the first cutting and the new regrowth of the second crop.

Monitoring a field involves the random selection of 30 alfalfa stems from 30 sites throughout the field. The number of larvae compared to the height of the plants determine if spray is necessary. If the predicted damage is less than the cost of insecticide, costs will exceed the loss and not be profitable.

Like the alfalfa weevil, the economic injury level for the pototo leafhopper is based on predicted loss by making 20 sweeps in each of five sites with an insect net. Again the number of adults compared with the height of the plants determines whether any control action is necessary.

In Pennsylvania, the average savings in 1979 amounted to approximately twenty dollars per acre for those farmers using the insect management plan according to Gesell. This was because samplings indicated that no control measures were necessary.

TODD FARM EQUIPMENT, INC.
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★ HUB FARM CROP ELEVATOR
★ KNIGHT MIXER BLENDER FEEDER WAGON AND SOUPER SOLID MANURE SPREADER
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Ag research returns high investment yield

UNIVERSITY PARK - Land-grant college research to improve food supplies is yielding some of the highest returns on investments of any business–as high as 52 per cent, says B. R. Baumgardt of the Agricultural Experiment Station at Penn State.

The 52 per cent is the return on investments in certain areas of animal research, Baumgardt reported.

"Even when the return on tax monies spent for animal research is only 17 per cent, as in some years, that figure would please most investors," he noted.

Research investment yields anticipated for the 1978 to 1980 period are placed at 30 to 40 per cent for soybeans, corn, poultry, and dairy products. Investment yields are expected to reach 46 per cent for wheat and 52 per cent for swine research.

The highest anticipated return on research is in potatoes, exceeding 100 per cent. In contrast, investment yields in 1977 averaged 5 per cent for municipal bonds, 8 per cent for long-term savings and preferred stock, and 9 per cent on utility bonds.

He reported investments in most fruit and vegetable crops return 30 to 40 per cent annually over costs of research.

Baumgardt took his figures from a study made for the federal Office of Management and Budget.

He pointed to the need for increased food production throughout the world. Births account for 80 million more persons to feed worldwide each year, with some 500 million persons already poorly fed, according to United Nations estimates.

"As population continues to grow, and incomes in many countries climb, demand for U.S. food production will rise to levels never known before," he predicted.

World food supplies came under severe stress in 1973 and 1974, he noted, due to a variety of reasons. Since then, grain crops in particular have been fairly large.

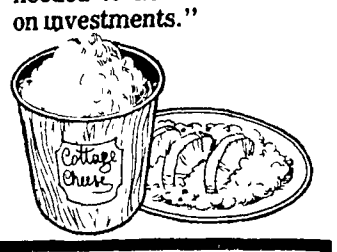
"Such periods of ample grain supplies often lead to lowered support for agricultural research as legislative groups tighten purse strings when grain bins seem full," he observed.

"But even in times of abundance, not all agricultural products are plentiful at the same time through the world. Right now, some animal products, especially beef supplies, have been somewhat limited. Energy costs have sky-rocketed for all phases of the economy. Overall food prices have risen sharply."

Listing what he termed "other serious agricultural problems to solve," he mentioned soil erosion and the farmer's dependence on non-renewable resources such as oil, natural gas, and coal.

Other vital needs involve problems with new and complex plant and animal health, and threats to the environment from pollution. Then there are problems of preserving agricultural land and of establishing health and community services for more rural areas.

"Our research task is complicated," he said, "since most of the easy problems have been solved. The really tough ones remain. The task requires basic research to study complex biological processes and to unravel more of nature's intricate mysteries. Time, many years in some cases, will be needed to achieve a return on investments."



Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw & Grain Sales
Every Wednesday
12:00 Noon

Farm Machinery
First and Third Wednesday
January thru November
starting at 9:00
With 6 Auctioneers

Tools and Hardware
Lawn & Garden Equipment

12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

DAVID H. GOOD & SONS

RD 1 Leola, PA 17540
717-656-9558

PUBLIC SALE

OF
REAL ESTATE
SATURDAY, JANUARY 12
at 1.00 P.M.
(Corner Property w/1½ Story Frame House w/White Asbestos Siding)

Loc. At 1800 Temple Ave., Manor Twp., Lanc , Pa (take Lincoln Hwy West of Lancaster to Lemon Tree, turn left onto Dickenson Ave , loc at corner of Dickenson & Temple Ave 's.)

REAL ESTATE

1½ Story, 5 room & full bath frame house w/white asbestos siding Contents kitchen w/elec stove, lg living room, lg dining room, 1 bedroom & full bath on 1st floor, 2 bedrooms & storage room on 2nd floor, full cement basement, elec baseboard heat (well insulated), elec water heater, well & cistern water, (city water available), city sewage hook up, alum & wooden storm windows & doors, also attached frame 1 car garage, paved driveway, lg lot w/lawn, trees & shrubs Lot Size 120' frontage along Temple Ave by 100' depth more or less Property open for inspection Sat 's Dec 29 & Jan from 1 till 3

Sale by:
BERNICE E. HERR

Ralph W. Irby Jr Atty
Howard Shaub Auctioneer 464-3541
and Roy C. Probst 464-3190

PUBLIC LAND AUCTION

TUESDAY, JANUARY 15
AT 12 NOON

Adjoining the borough of Kutztown and Kings Shopping Mall, just off US Rt. 222, east of the former Kemp's Hotel along Kemp St. and Bowers Rd., Maxatawny Twsp., Berks Co., PA.

Land consists of approx. 115 acres open land without buildings. Zoning is R-1, contains 1000's of ft. of road frontage, limestone soil.

For inspection call 215-683-3414 or 683-3413.

Auction held at the farm building site.

TERMS: 5% day of sale, owner financing available at 10% int. for 12 yrs., contact Auction Co. for details.

Ordered by:
BALDWIN & MERKEL

Conducted by,
RALPH W. ZETTLEMOYER AUCTION CO.
Route 100 & Claussville Road
P.O. Box 215
Fogelsville, Pennsylvania 18051
(215) 395-8084

PUBLIC SALE

OF VALUABLE TRUCKS - TRACTORS - SHOP EQUIPMENT - TOOLS & PERSONAL PROPERTY
SATURDAY, JANUARY 12, 1980
At 10:30 A.M. Sharp

At R.D. #12 York, Pa. on Mt. Pisgah Road opposite Sam Lewis Park. The undersigned who is going out of business will offer at public sale the following -

TRUCKS, TRACTORS, ETC.

1973 Chev. C60 Custom Deluxe truck with 16 ft. dump bed, 2 sets of sideboards, hoops with canvas top, inspected with radio & heater, 35,000 miles and in very good condition, 1964 Ford camper special ¾ ton pickup truck, radio & heater, inspected, 8N Ford tractor, 7 ft. mounted mower, Sauder manure loader, Int. 504 gas tractor with 3 bottom mounted plow, 2 row tobacco planter, 12 ft. low boy trailer with dump bed has electric brakes, Mitts & Merrill chipper Model #TR120T4 motor recently overhauled, two wheel rubber tire trailer, Gravely Super convertible 36" rotary mower, disc harrow, Ford one bottom 2 way plow, 1970 AMF Snowmobile

SHOP EQUIPMENT, TOOLS & PERSONAL PROPERTY

Lincoln AC 225 AMP welder with helmet & extension cables like new, McCullough 36" — 16" — 14" chain saws, Echo 24" chain saw, B&D ½" drill, B&D 7¼" electric saw, B&D hedge trimmers, grinding wheel, 2 - 40 ft aluminum extension ladders & other ladders, wooden scaffold bucks, gas can, pump - ladder & roof jacks, load binders, come alongs, pulleys, log chains, tractor & truck chains, Davey White transit, extension & drop cords, push mowers, combination pruning & pole saws, mitre box saw, pruning shears, new & used rope, can of driveway sealer & roof coating, asst paints, electrical wiring, roll of concrete reinforcing wire, approx 1,000 ft of asst cables, wooden tool box for pickup, numerous piles of used lumber, 12 sheets of ½" exterior plywood, approx 75 - 10" cement blocks, approx 400 new bricks, 2 stacks of slate, several bundles asphalt shingles, pile of asst. aluminum siding & galvanized roofing, several bundles of cedar shingles, wood & coal furnace, approx 1½ cord of split wood, shop refrigerator, wooden wheelbarrow, hard hats, asst hand, garden & concrete tools, asst. nuts, bolts, nails and small hardware items & other articles to numerous to mention. NOTE: Trucks, tractors, chipper & trailer will be offered at approx 1 P.M Not responsible for accidents on day of sale Refreshments by Yorkana Fire Co Terms Cash or Approved Check

JOHN M. SMELTZER

Jacob A. Gilbert, Auctioneer

PUBLIC SALE

OF
HOLSTEIN DAIRY CATTLE
& FARM MACHINERY
WEDNESDAY, JANUARY 16
9:00 a.m.

Located 2½ miles northeast of Waynesboro, Franklin County, Pa., just back of Waynesboro Country Club. The undersigned farming due to health problems.

67 HEAD OF HOLSTEIN DAIRY CATTLE

39 head of milk cows, 6 head fresh and close springers, balance other lactations, 7 bred first calf heifers, 21 head of open heifers from 5 to 15 months old. This a good producing herd and all home raised. Pregnancy checked, T.B. and blood tested. Health charts furnished. Cattle sold in heated tent with chairs, cattle loading shoot

FARM MACHINERY

1953 Chevrolet 6400 series truck, 12 ft. bed with grain sides and cattle racks; Case 840 diesel tractor wide front, power steering, live P T O.; Case 470 diesel tractor, wide front, power steering, with front end loader with twin cylinder controlled bucket; Case 400 tricycle tractor, power steering and live P.T.O.; Case 425 two row mounted corn picker, fits Case 400 tractor; Case V.A.C. tractor; two row cultivator for same; Case 7 ft. mower, 3 PT. hitch; Hesston 1090 P.T.O. 9 ft. mower and wind rower; I.H. No. 33 hay conditioner; N.H. N. 56 side rake; Case 230 pickup baler with P.T.O. bale thrower; Fox IF 546 forage harvester with one row corn head; N.H. flail chopper; Case 28 ft. bale elevator with dump drag attachment with motor and P.T.O. drive shaft; Grove deluxe 3 beater forage wagon with roof; 2 Grove self unloading, 2 beater, forage wagons; Case wagon 8 x 16 ft. flat with bale racks; 2 rubber tire wagons flats grain sides and bale racks and false end gates; 2 rubber tire wagons and flats; steel gravity grain bin; I.H. No. 56 four row corn planter with plastic fertilizer boxes and gandy applicators; J.D No. 246 two row corn planter with 3 PT. hitch; I.H. No. 510-13-7 grain drill; 16 ft. small grain belt elevator with motor, 16 ft. small grain auger elevator with motor; N.I. No. 215 P T.O. spreader; N.I. 10 ft. fertilizer sower; 6 ft. semi mounted Bush Hog rotary mower; Walsh 200 gal. trailer field sprayer with fiber glass tank; 100 gal. fiber glass mounted field sprayer; Fox hopper ensilage blower and pipe; Case ensilage blower with dump drag or hopper and pipe; Case four 16 in. bottom semi mounted automatic reset plow, J D. two 14 in bottom trip plow with 3 PT hitch; I H Little Genius 3 bottom trailer plow; I.H. 8 ft. double disc, Oliver 7 ft. double disc; Townson 7 ft. cut away disc; Brillion 10 ft. culitpacker; Case 9 ft. cultipacker; J D 3 section steel harrow; two 24 tooth spring harrows; one row ground driven Net potato digger; two wheel trailer with flat and sides; two wheel Army trailer with steel bed; two 6 ft 3 PT. hitch scraper blades; 3 DeLaval stainless steel milker units; stainless steel strainers; barn fogger sprayer; 2 ensilage carts; 15 in. hammer mill, N.H front end tractor wood saw; Marquet electric welder; acetylene welding and cutting torch and tanks; steel welding table, 1 ton chain hoist, Cyclone P.T.O clover seed sower; Interprise N 32 meat grinder and motor; lard press; 2 iron butcher kettles, 2 meat benches Lot of misc farm tools

AUCTIONEERS NOTE: The above machinery is in good condition

Not Responsible for Accidents
Sale at 9:00 A.M. sharp.

MERLE C. & MINNIE C. EIGENBRODE
11412 Eigenbrode Lane
Waynesboro, Pa.
Telephone (717) 762-3795

At the same time and place will sell J D 290 corn planter, N H 68 Hay liner baler, Case 555 wind rower, Case E10 7 ft mower, Fox 546 1 row harvester, set of Case cultivators to fit 200 to 800 series tractors

LEROY J. MARTIN

AUCTIONEERS: Edgar J. Stull & John Downin
CLERKS: Harshman & Downin
Number system, I.D. required.
Lunch stand by
Christian Home Builders Class of
Church of The Brethren

Laying pullets need fresh air

BY HERBERT C. JORDAN
Penn State
Poultry Specialist

UNIVERSITY PARK — An egg laying pullet in a cage consumes one quarter pound of feed each day, drinks one half pound of water and breaths three pounds of air or 45.45 cubic feet of air every day.

All of this is consumed by each and every hen or pullet, therefore, growers must do the following:

Stop all excess water from getting into poultry manure

Dry manure inside the house to prevent ammonia gas from forming.

Repair, maintain or adjust fans, louvers and inlets so that exhaust fans pull a negative static pressure inside the poultry house.

Direct air over birds first when it is fresh, then move it over manure in pits to dry manure to below 25 percent moisture inside the poultry house.

Design and re-design a ventilation system so that a minimum of one cubic foot of air per minute is moved into and out of the house for every four pounds of bird weight, all day and all night all year long

Poultry houses should be tight, well insulated, and well ventilated.

To save energy, use body heat, air convection, gravity, and solar radiation when possible.

In case of long term electrical power failure (several days), have a gravity air flow system as a standby or an auxiliary generator to generate power In hot weather, it may be necessary to move as much as one cubic foot of air per minute per pound of bird using electrically powered fan ventilation.

Some flock management specialists say if there is no air pollution from manure in a house we can move less air in summer and it will be adequate

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

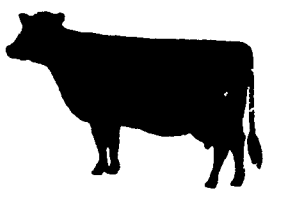
JANUARY

SAT JAN 5 - 10 00 A M Public Sale of Real Estate and Household Goods Located along Specker Rd , 5 miles south of Lancaster, PA 1 mile south of New Danville Mennonite Church, ½ mile west of West Willow Terms by Emma E Charles J Everett Kreider and Carl Diller Auctioneers

MON , JAN 7 - 2 P M Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, PA Melvin M Lehman, owner

TUES & WED , JAN 8 & 9 - PA All Breed Bred Gilt Sale Held at the Farm Show Building, Harrisburg, PA Harry Bachman Auctioneer

WED , JAN 9 - 2 30 P M 60 Yorkshire Bred Gilts Located at the small arena at the PA Farm Show, Harrisburg, Pa Sale by PA Yorkshire Club For information write or call Leon Arnold, Secretary Treasurer Pa Yorkshire Club, Rt 7, Box 705, Lebanon, Pa 17042 717-273-5880



FRI JAN 11 1 P M Brooks and Par Kay Farms 53rd Sale, 1980 Winter Offering, at the Farm, Beavertown Pa 260 head of Scotch and Irish and other foreign bloodlines Sale by Reno and Park Thomas and Mark Stehr, Owners, Dan Baker, Lafayette, Ind , Auctioneer

FRI , JAN 11 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge Ira Stoltzfus & Son, Auctioneers

SAT JAN 12 Clayton & Mary J Gruber Real Estate, H H Goods & Equip 3 Miles West of Manheim, Rapho Twp Lancaster County, Pa , along Breneman Rd C H Wolgemuth Auct

SAT JAN 12 - 10 30 A M Public Sale of Tractors, Trucks, Shop Equipment, Tools and Personal Property, Held in York, PA, on Mt Pisgah Rd , opposite Sam Lewis Park John M Smeltzer Owner Jacob A Gilbert Auctioneer

PUBLIC AUCTION

LOCATION: 1 mile East of Route 213, 3 miles north of Chestertown, Md....Signs posted...On Perkins Hill Road.

SATURDAY, JANUARY 12

AT 11:00 A.M.

FARM MACHINERY: John Deere 4320 Diesel Tractor, JD 4020 Diesel Tractor, 2 Sets JD 5 Bottom Plows, JD 4 Row RM Cultivators, JOHN DEERE #7000 8 row 36" Plateless PLANTER w/Monitor-Insecticide Boxes-No Till Attch.-Donahue Trailer...JD 12' Road Disc, JD 20' Spike Tooth...(2) MASSEY FERGUSON 510 DIESEL COMBINES w/Cabs (one A/C) 16' Grain Tables, 4 Row Picker Heads (1 w/Corn Reel)...Lilliston Rotary Mower, Leon Rock Picker, Clark Sprayer Booms, Set of 34" Dual Wheels, WD 45 Diesel Tractor (As-Is-), Int H Tractor w/Loader, New Ideal PTO Flail Spreader, V-Snow Blade, 3 pt. Hitch Tool Bar, etc.....Hyd. Cylinders.

TRUCKS: '67 Ford 250 Pickup w/Mechanics Body, '65 Int. 1800 Dump Grain Truck, '63 GMC Pickup, '60 Dodge Grain Truck, '52 Chevy Tandem Wheel Grain Truck, (all Trucks 2 Speed Rear)...'65 Chevy Water Truck (409 Motor).

MISC. EQUIP.: 6 Wheel Amphibious "HUSTLER", 6' Pickup Body, 2 Radios, CB Radios, 2 Hyd. Jacks, Ditch Pump, MF Parts, JD Parts, JD Front Wheel, 50 Gal. Gas Tank, Fire Extinguishers, 50 Gasl. Chem. Tank, Spray Hose, G/T Grain Moisture Tester, Wheat Fan, Biscuit Block, Flotation Tires, Truck Wheels & Tires, Old Flat Wagon, 2 Wheel Trailer, Wheel Rim for MF 510, etc., etc.

Owner,
FRANKLIN L. "PETE" CRONSHAW
Perkins Hill Road,
Chestertown, Md.
HARRY RUDNICK & SONS, INC.
Sales Managers & Auctioneers
(301) 648-5100
Lunch

SPECIAL AUCTION of SURPLUS EQUIPMENT

S.L. HESS & SONS, INC.
1795 S. High St., Harrisonburg, VA

SATURDAY, JANUARY 12, 1980

10:00 A.M.

Located - Rt. 42 South at edge of Harrisonburg City limits.

1976 & 77 Chevy 4 wheel drive ½ ton pickups, 1974 Plymouth Sedan, 1968 Int. 1800 4 drive fertilizer bodies, 18 ton truck scales & beam, 72 Dodge ½ ton pickup.

1973 DODGE MOTOR HOME

1004 Agri-Gator 4 wheel drive floater, articulating frame, 378 Cummins diesel, 10 speed road ranger transmission, 1000 gal. liquid fertilizer tank, 50' hyd. booms, 7 ton dry fertilizer box.

1977 Mack DM 600, 237 h.p., 5 spd., mickidine transmission, 20' Midwest grain body & cattle racks.

22' Killabrew 3-6 ton hyd. side dumping fertilizer bins.

Other farm machinery & miscellaneous equipment available.

Terms - Cash
Auctioneer - Larry Garber

GAP AUCTION

FRIDAY EVE., JANUARY 11, 1980

5:30 P.M.

Located off Route 41 - Lancaster Avenue opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION.

CONSIGNMENTS ON MONDAYS
FROM 8:00 A.M to 7:00 P.M.
OTHER DAYS BY APPOINTMENT

Call us for pick-up service

IRA STOLTZFUS & SON, Auctioneers
442-4936 or 442-8254
CONDUCTORS ALL TYPES PUBLIC SALES

PUBLIC SALE

OF SHOP EQUIPMENT & FARM EQUIPMENT

TUESDAY, JANUARY 15

AT 10 A.M.

Located along Rt. 23 between Morgantown & Churchtown, Caernarvon Twp., Lanc. Co., Pa.

SHOP EQUIPMENT

DVorak hydraulic iron worker w/punches 14", Jet drill press 5/8", Reddy heater 30,000 B.T.U., Reddy heater 90,000 B.T.U., Prentice drill press No. 3 tapered chuck, tapered bits from ¼" to 1½", portable air drill w/No. 2 tapered chuck, tubing bender, air wrench, portable air grinder, 100 amp., Hobart welder w/20 H.P. 3 phase motor w/electric or belt drive, portable 200 amp welder, approx. 1000' ½" to 3" pipe, power hack saw, 18 ga. sheet metal, 8' hand brake, sheet metal punch, Butler acetylene torch, anvil, ¾" plastic pipe, different sizes angle iron & flat iron, 12 KW belt driven alternator, Gresen No. 6 and No. 12 Hydraulic pumps, pipe wrenches, open end wrenches, vice grips, adjustable wrenches, pipe threaders, ½ moon key assort., wood screw assort., metal screw assort. pipe threaders, all types & kinds of nuts & bolts & many other items not mentioned.

FARM EQUIPMENT

Deutz 3L 912 Diesel motor, No. 456 N.H. mower w/crimper hitch, 8' Dunham disc harrow, on carrier, No. 275 Baler, 16' bale elevator, 2 flat wagons, McC. No. 75 manure spreader, Pequea hay tedder, Pax 100 gal. hog fountain, Amish market wagon (good cond.), corn drag, saw buck, 5 balls binder twine, imp. wheels & tires, single trees, wood & coal heater, N.H. wagon unloader, saddlers bench, platform scale, 2 fore trucks w/hydraulic brakes, bench vise, bench grinder, 6 volt battery, approx. 20 ton good alfalfa hay & other items not mentioned.

Terms By,
HENRY U. & BARBARA S. STOLTZFUS
Elton & Alvin Horning Auctioneers
HORNING FARM AGENCY, INC.
Main Street
Morgantown, Pa.
215-286-5381

PUBLIC SALE

REAL ESTATE — HOUSEHOLD GOODS AND EQUIPMENT

SATURDAY, JANUARY 12

10:30 A.M.

Located 3 miles West of Manheim, along Breneman Road, close to Old Line Store, just off Colebrook Road. Minutes from Rt. 283, Rapho Twp., Lancaster Co. Pa.

Real Estate consists of 2½ Story 6-Room Frame (new alum. siding) Dwelling. Small Barn on 4+ Acres. House has modern kitchen, dining room, living room, laundry on first floor. 3-Bedrooms & bath on 2nd floor. Attached wash house, cement basement, oil hotwater heat, storm windows & doors. Situated in a quiet country setting. Open for inspection Saturday Dec. 29 and Jan. 5 from 9 to 3 or by appointment - Call 717-665-6466 or 717-665-5664.

Farmall Super C w/platform, 1965 Chevy Pickup, 6 cyl., rubber tire wagon, 2-row transplanter, land roller, Mc. 2-bottom trailer plow, Bolens riding Mower, Toro rotary mower, 4-hole hog feeder, 2 iron troughs, 2 hog troughs, 20' ladder, baskets, crates, etc.

G.E. and Gibson refrigerators, 2 dinette sets, 2 square extension tables, buffet, utility cart, bedroom suite, 2 chest of drawers, 2 vanities, metal wardrobes, single beds, mattress, kneehole desk, childs desk, record player, chairs, sm. tables, coffee table, plank rocker, Motorola TV, sofa bed, floor & table lamps, new bedding, spreads & quilts, rugs, (3 9x12 & 1 12x15) bassinet, picnic table, lawn chairs, swing set, pictures, clocks, radios, elec. appliances, flower stands, lots of plants, large ferns, baskets, trumpet guitar, toys, dishes, pots & pans, and many numerous items not listed.

SALE ORDER — Sm. items on wagon at 10:30, H.H. Goods & Equip. Real Estate to be offered at 1:00 P.M.

Lunch by Stevens Hill S.S.

Sale By:
CLAYTON & MARY J. GRUBER
J.D. Young Atty.
C.H. Wolgemuch & H. Shaffner Aucts.
Ph. 717-665-5664

PUBLIC SALE

At the New Holland Sales Stables, New Holland, Pa.

FRIDAY, JANUARY 18

10:00 A.M.

150 HORSES

Registered Belgian mare, 2 Blonde sorrel grade Belgian fillies, coming 2 years old. 2 Blonde sorrel mares, 3 years old, bred. Steele gray mare, 7 years old. Bay mare, 3/4 Percheron, 8 years old, bred to Percheron stud. Red roan mare 3. Red roan mare 5. Red roan mare bred to a Jack. Gray mare, 3 years old. 2 Bay mares. 1 Pair geldings. Black and White spotted, weighing 2200 lbs. each, a real parade team. 1 pair Blonde geldings, 3 years old. 2 Blonde geldings, coming 2. 20 sorrel geldings, 3 to 6 years old, all broke to work.

3 Loads of draft horses from the West. 45 Standard Bred Driving Horses.

MULES

Black mammoth Jack, 4 years old, pasture broke. Black horse mule Colt, 8 mos. old. 1 Pair black mare mules, 5 years old weighing 3100 lbs., stand 16.3, worked on Amish farm this summer. 1 Pair fancy sorrel mare mules, 5 years old, stand 16.2, weigh 3150 lbs. worked on Amish farm this summer. 8 Pair sorrel mules, stand 16 hands, all broke to work. 10 Single mules. Gray horse mule. 6 mules, 3 years old. 1 Load of mules from Tenn. Many horses and mules not listed.

Lots of implements, single and double trees, harness and other items.

Terms: Cash, checks will be accepted with proper identification.

Paul S. Waltermyer
R6 Box 286
Manheim, Pa.
Phone 717-665-3003
Sales Stables
717-354-4341

Public Sales Register

**Closing Date - Monday, 5:00 P.M.
of each week's publication**

SAT., JAN 12 - 1:00 P M Public Sale of Real Estate Located at 1800 Temple Ave , Manor Twp., Lancaster, PA. (Take Lincoln Hwy. West of Lancaster to Lemon Tree, turn left onto Dickenson Ave., corner of Dickenson & Temple Aves. Sale by Bernice E. Herr. Howard Shaub and Roy C. Probst Auctioneers

SAT JAN. 12 - 11:00 A.M Public Sale of Farm Machinery, Trucks & Miscellaneous Located 1 mile east of Rt. 213, 3 miles north of Chestertown, MD, signs posted on Perkins Hill Rd , Franklin L. "Pete" Cronshaw Owner Harry Rudnick & Sons, Sale managers and Auctioneers.

SAT. JAN 12 - 10 A.M. Special Auction of Surplus Equipment, S L Hess & Sons, Inc , 1795 S High St , Harrisonburg, VA. Located - Rt 42 South at edge of Harrisonburg City limits Auctioneer Larry Garber

TUES , JAN 15 @ 10 A M Farm Equip , Tools & Shop Equip. Located midway between Churchtown & Morgantown along Rt 23 Caernarvon Twp , Lanc Co , Pa Terms by Henry V & Barbara S Stoltzfus Elton & Alvin Horning Auctioneers, HORNING FARM AGENCY, INC

TUES JAN 15 - 12 00 P M Public Sale of Land Adjoining the Borough of Kutztown and Kings Shopping Mall, just off US Rt 222, east of the former Kemp's Hotel, along Kemp St and Bowers Rd , Maxatawny Twp , Berks Co , PA Ordered by Baldwin & Merkel Ralph W Zettlemoyer Auction Co

TUES., JAN 15 - 6 P M Farmersville Auction In Farmersville, 3 mi East of Brownstown, Lancaster County, PA John J Rutt, Auctioneer

WED JAN 16 - 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola, Lancaster Co , Pa Watch for sale signs F Snyder, R Martin, C Wolgemuth, J Fry and L Horst, Auctioneer

WED JAN 16 - 9 00 A M Public Sale of Holstein Dairy Cattle & Farm Machinery Located 2½ miles northeast of Waynesboro, Franklin Co , Pa , just back of Waynesboro Country Club Sale for Leroy J Martin Auctioneers - Edgar J Stull & John Downin

THURS JAN 17 - Public Sale of Farm Machinery Located in S Lebanon Twp , Lebanon Co , PA along Prescott Rd , ¾ miles south of Rt 322 and Calcite Quarry Clifford E Groff Owner Earl S Buffenmeyer Auctioneer

FRI JAN 18 - 10 00 A M Paul Waltemyer Horse Sale Held at New Holland Sales Stables, New Holland, PA

FRI JAN 18 12 00 P M Public Sale of Farm Equipment and New Tractor Located 10 miles northwest of Foglesville, take Rt 100 N from Fogelsville for 5 miles, turn west onto Holben Valley Rd for approx 5 miles, just past Lynville, along the road to Kempton, Lehigh Co , PA Jer-Lynn Farms, Sale conducted by Ralph W Zettlemoyer Auction Co

SAT , JAN 19 - 6 30 P M Danville Livestock Market horse sale Located Old Route 11, Danville, PA Melvin M Lehman, owner

SAT JAN 19 11 A M for Charles J Mihlebach, Cohawkin Road, Clarksboro, N J (out of State buyers, use Rt 322 to I-295 North to Paulsboro-Clarksboro Exit), Farm Equipment & Irrigation System Auctioneers Sickler & Scott - Phone 609/629 5855 or 6446

SAT. JAN 19 - 9 30 A M. Public Sale of Truck, Mechanics, Electricians & Plumbers Tools Located at 1730 W Main St , Ephrata, PA across from Agway store Sale by J Richard Hummer T Glenn Horst and Timothy G. Horst Auctioneers

SAT. JAN. 19 - Public Auction of Tractors, Truck & Machinery at Goodrich Auction Service, Rt. 38 & 38B, Newark Valley, NY 607-642-8688, 20 minutes Northwest of Binghamton, NY

SAT JAN 19 - 10.00 A M Public Sale of Fruit & Vegetable Farm Machinery Located in Holmdel, NJ, for Dearborn Farms, Centerville Rd., ½ mile south of Rt 35, Holmdel, NJ between Keyport & Mifflетown, NJ, turn by Dearborn Rd Stand Col Fred R Daniel Auctioneers Inc

SAT JAN 19 - 10 00 A M Public Sale of Straw & Grain Equipment Located 4 miles southeast of Allentown, NJ on Walnford-Ellinsdale Rd , take Rt 539 south from Allentown, 1 mile to Sunoco station, turn right, cross bridge at Walnford, turn right to sale Sale by Kenneth V Gravatt & Son W Earle Davis Auctioneer

SAT , JAN 26 - Sale of Personal Property & Some Farm Implements Located one mile southeast of Morgantown along Valley Rd , turn off Rt 23 at Elmor Chevrolet, second farm on left Sale by Joseph Mosteller Auctioneers LeRoy S & Paul W Horst

SAT JAN 26 - 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc , Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctioneer

TUES JAN 29 - Public Sale of Cows, Full line of Equipment and Household Goods Located 14 miles East of Blue Ball, take Rt 23 to Elverson, turn right on Rt 82 and go 2 miles south between Elverson and Loags Corner, off Rt 82, Chester Co , PA Terms by Amos S Fisher, Robert E Martin and Son 656-7770 and Frank L Steller 656-8195 Auctioneers.

THURS JAN 31 - 12 00 Noon 60 Head Holstein Dairy Dispersal Located along Rt 54 5 miles East of Danville or 13 miles West of Mount Carmel, Northumberland Co Owner - Edward R Ker Auctioneers - Nevin Z Martin & Lewis B Groff

FEBRUARY

FRI FEB 8 - 11 00 A M Horse Sale, held at New Holland Sales Stables, New Holland, PA

SAT FEB 9 - 11 00 A M Special Horse Sale at the Belleville Livestock Market, Belleville, PA Consignments of draft, driving and meat horses Mark Glick Auctioneer

SAT FEB 9 - Public Auction of Farm Equipment for Aaron Z. Shirk located between Ephrata and Lancaster along Rt 272 at Hartman's Grocery turn west on Rosehill Road to farm on right John E. and Paul E Martin, Auctioneers

MON., FEB 11 - Public Auction of Farm Equipment for Elmer S Hoover Location - Get off Bethel Exit on Interstate 78, go through the town of Bethel to Airport Road, turn right to farm on left, Berks County, Pa John E and Paul Martin, Auctioneers

SAT FEB 16 - 10 00 A M Public Sale of Livestock, Farm Equipment, Household Goods, Carpenters Tools and Equipment, Located on John King Farm, 6 miles south of Quarryville, 4 miles north of Wakefield, first farm south of Robert Fulton Tea House "Y" Along Rt 222. Ben R King

MON FEB 18 - 9 30 A.M Consignment Sale Located at S Race St , Myerstown, Pa 17067 Sale held by Wenger's Farm Machinery, Inc.

FRI , FEB 22 - 1 00 P M Sale of Bred Gilts, Open Gilts & Boars Located at the Lebanon Fairgrounds, Lebanon, Pa Sale by Leon, Lawrence, & Thomas Arnold For information write or call Leon Arnold, Rt 7, Box 705, Lebanon, Pa 17042, 717-273-5880

FRI. FEB 22 - 10 A.M Public Sale of New and Used Farm Equipment located 10 miles East of Lancaster and 2½ miles West of New Holland Turn off Rt 23 on South Groffdale Road to Mussers School Road, Terms by Elias S Beiler. Robert E Martin and Son, Frank L Steller, and Blain Rentzel, Auctioneers

SAT FEB 23 - 10 A M Public Sale of Full Line of Farm Machinery, Hay, Straw, Ear Corn, 990 David Brown Tractor & Household Goods Located ¼ mile East of Honey Brook on 322 Terms by Victor R & Ruth E Weaver Auctioneer Steve Petersheim.

SAT FEB. 23 - 11 A.M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc , Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctioneer.

SAT. FEB 23 - 6th Annual Sale of the Strasburg Fire Co. #1 to be held at the fire house. Miller and Siegrist, Auctioneers

TUES. FEB 26 - Farm Equipment & Household Goods Located along Rt. 322 one mile East of Blue Ball Sale by Clarence B & Barbara Martin Nevin Z Martin & Lewis B Groff Auctioneers

TUES , FEB. 26 - @ 10 A.M Farm Equipment, Household Goods & Livestock Located 1 mile west of Hinkletown just off Rt 322 on Cabin Rd Terms by John R Zimmerman Elton & Alvin Horning, Auctioneers HORNING FARM AGENCY, INC

BROOKS END AND PAR-KAY FARM

FIFTY-THIRD SALE

1980 WINTER OFFERING
FRIDAY, JANUARY 11
1:00 P.M.
At the Farm • Beavertown, Pa.

260 head of SCOTCH & IRISH and other foreign bloodlines

• Many Imported from Scotland

YORKSHIRE-LANDRACE

Born and raised on our farms from our parent imported stock.

100 ★ Bred gilts - most of which carry **Scotch or Foreign Blood Litters.**

50 ★ **YORKSHIRE** - Many carry Scotch litters.

50 ★ **LANDRACE - All carry Scotch or Foreign Blood Litters.**

50 ★ **BOARS**

30 ★ YORKSHIRE - New Scotch Bloodlines as well as Irish and American Bloodlines.

20 ★ LANDRACE - All 100% SCOTCH, IRISH or other foreign flood.

100 ★ Commercial Open Gilts - Mostly Irish & Scotch blood. Scan-O-Probe Loin Eye & Back fat figures. Production testes - Certified Meat Proven & Show Ring Champion Stock. Certified brucelosis free & pseudorabies free. Health charts sale day for entry into any state.

4 big production tests wins in 1978 top indexing Yorkshire, Pen of boars, PA test station feed conversion 2.55, rate of gain 2.52.

Top indexing Pen of boars, Del. test station feed conversion 2.24 rate of gain 2.44.

Second high indexing Pen over all breeds Del. test station Landrace feed conversion 2.48 rate of gain 2.05.

Ohio production barrow show we had both champion and reserve champion on foot winners. They were York, Landrace crossbred barrows.

IRISH BOARS and GILTS of this great Dam will sell. Greenback 3044, one of our foundation Irish Yorkshire Sows.

Owners:
RENO & PARK THOMAS & MARK STEHR

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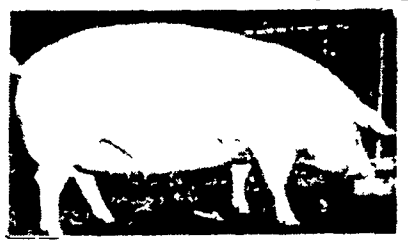
PENNSYLVANIA LANDRACE ASSOCIATION

FARM SHOW AND SALE



Landrace, the Great White Breed

SHOW MONDAY, JANUARY 7, 1980
3:30 P.M.
SALE WEDNESDAY, JANUARY 9, 1980
1:00 P.M.
At the Harrisburg Farm Show Building in the small arena, Harrisburg, PA

45 BRED GILTS

LANDACRE TRADE MARKS { The original lean meat breed. The world's best mothers. More capacity to produce. An asset to any herd.

FOR CATALOGS WRITE TO:
LARRY B. BAUM
Secretary-Treasurer Penna. Landrace Assoc.
RD 3 Box 422, Elizabethtown, PA 17022
PH: 717-367-2882

FRUIT & VEGETABLE FARM MACHINERY AUCTION

7 TRACTORS — 8 TRUCKS — FULL LINE
SATURDAY, JANUARY 19, 1980
AT 10 A M. - Holmdel, N.J.

For Dearborn Farms, Centerville Rd ½ mile south of Rt. 35 Holmdel, N.J. Between Keyport and Middletown, N J. Turn by Dearborn Road Stand! Garden State Parkway exit 117 to Rt. 35 south, N.J. Turnpike exit 8 to Rt. 33 to Freehold to Rt 79 to Matawan to Rt. 35.

10 A.M.

180 AMP welder, air grease gun, steam cleaner, some tools, hoes, rakes, heaters, air comp., 7 Bud air prunners, ladders, picking buckets, carriers, zon guns, 4 ft. x 4000 ft. plastic rolls, 100's items.

PACKING HOUSE EQUIPMENT

18" Lobee Veg. washer, 18" Lobee apple & peach washer, Trescott apple & peach grader, 6 ft. Tew rotary table, Trescott bagging mach., foot & hand staplers, P.F. scales.

12 NOON TRACTORS — TRUCKS

73 Ford 2000 3PTH 2pd, 71 David Brown 990 DL 3PTH, Ford 850 3PTH w/front end loader, Ford 8N 3PTH 2pd, 2-Farmall AV's w/cultivators, IHC Super M. 3 pickup trucks 74 and 71 IHC, 67 Chevy, 71 Ford Bronco 4x4 w/snow plow, 71 IHC 12 ft. van, 55 and 53 IHC flat beds, 57 Ford 350 flat bed.

FARM MACHINERY

Hardie 500 gal. orchard sprayer, Meyers 400 gal. row sprayer, Meyers 100 gal. 3PTH sprayer, 3PTH orchard dusters, EZ flow 10 ft. fert. drill, EZ flow 3 PTH rotary spreader, Diadem 3PTH rotary spreader, Ford 3PTH 6 ft. rotary mower, Ford 7 ft. 3 PTH bar mower, 2 - Ford 3PTH plows 2 and 3 btm, 2 - Howard Rotovators 1 offset 1-3 PTH, NH 510 PTO manure spreader, 2 row Mech. 3 PTH transplanter, 5-4 wheel trailers, 2-2 wheel trailers, 12 ft. 3PTH spr tooth harrow, 8 ft. and 4 ft. spr tooth harrows, 10 ft. hyd disc, 3 drag disc's 8-7-5 ft., 10 ft. harrow, brush rake, 2 row Planet Jr. 3PTH seeders, 3 Planet Jr. push hoes, 3000 gal. steel storage tank, 500 gal. Fiberglass skid tank, 250 gal. wood tank, 2-275 gal. gas tanks on trailer, 3PTH air compressor, Gandy applicator, 3 row 3PTH row marker, MM #D corn sheller.

IRRIGATION EQUIPMENT

2 - Chrysler Irr. pumps 6" and 4", Homelite and Hale pumps, 2 elec. water pumps, pipe carrier trailer Wade Rain Irr. Pipe - 120 pc 4" x 40 ft., 20 pc. 4" x 20 ft., 15 pc. 3" x 40 ft., Rainbird and Buckner sprinklers, Tees & Elbows. Workers supplies, rain gear, bunk beds, cooking supplies, blankets, H.W. heater, freezer, stove, etc.

NOTE - All Equipment has been well cared for and kept in top operating condition! Owners & Auctioneer not responsible for accidents!

Terms - Cash or Good Check with **Identification Paid in Full Sale Day!**

Blizzard Date - Jan. 26, 10 A.M. **Lunch Available!**

Sale Conducted by. Col Fred R Daniel Auctioneers Inc.
Neshanic Sta., N J
210-369-4784

Owner:
DEARBORN FARMS
201-264-6130 eve.

(Farm Sales are our Specialty)

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

WED , FEB 27 - Full line of Farm Machinery, 806 Diesel Int Tractor, A-1 condition Located 2 miles South of Cochranville, 6 miles North of Oxford from Rt. 41 take Rt 10 South to High Point Rd , go west, first farm on left Chester Co , Pa Terms by James E Richey Auctioneer Steve Petersheim

THURS FEB 28 Public Sale of Farm Machinery Located along Meadow Valley Road bet ween Ephrata and Millway Sale by Edwin Horning Farm Machinery, Rd 2, Ephrata, PA Ralph Horst and Blaine Rentzel Auctioneers

THURS FEB 28 - 10 A M Public Sale of Farm Machinery Located 5 miles North of Oxford, 1 mile North of Russelville along Rt 896, Chester Co , Pa Terms by Jacob K Stoltzfus Leon Kurtz Auctioneer, J Omar Stoltzfus Apprentice Auctioneer

MARCH

SAT MAR 1 - 16th Annual Bart Twp Fire Co Sale, Bart, PA

SAT MARCH 1 - 9 A M Farm Machinery & Consignment Sale Donald Scheese, R D 2, Elmer, NJ (Cohansey Friesburg Rd) Auctioneer Blaine E Rentzel

THURS MARCH 6 9 A M Farm Equipment, Household Goods & Lumber Located along Rt 241 ½ mile South of Lebanon Sale by Mrs Elmer B Zimmerman Nevin Z Martin & Lewis B Groff Auctioneers

FRI MAR 7 - 11 00 A M Horse Sale Held at New Holland Sales Stables, New Holland, PA

FRI MAR 7 - 9 30 A M Machinery Sale - Annual Spring Sale - Consignments of all kind of machinery, Belleville Livestock Market, Belleville, Pa Mark Glick Auctioneer

SAT , MARCH 8 - 10 30 A M Public Sale of Farm Machinery, Bred Sows, Hay, Ear Corn, Straw, Oats, Butchering Tools, & John Deere 1020 Tractor Located 4 miles South of the Buck at Chestnut Level. Terms by Leonard & Gladys Sprout Auctioneer Steve Petersheim

SAT MAR 8 - 8 30 A M 12th Annual Spring Sale Held at the Gordonville Fire Co , Gordonville, PA Selling Household Goods, Antiques, Farm Equipment, Building Supplies, Livestock Donated items accepted Local Auctioneers

MON MAR 10 - Public Auction of Farm Equipment for John Eby and Isaac Eby location - Take Rt 322 West from Ephrata to Weidmansville Road, turn right to first left, then first right to farm on right John E and Paul E Martin, Auctioneers

TUES MAR 11 - Public Sale of Farm Equipment, Shop Tools & Household Goods Located 1½ miles West of Ephrata along Meadow Valley Road Sale for Harvey N & Esther H Zimmerman. Auctioneers - Nevin Martin & Lewis Groff

SAT , MARCH 15 10 30 A M Public Sale of Farm Machinery, Milking Equipment, Hay, Ear Corn, Straw & Household Goods Located 4 miles East of Intercourse, 2 miles West of Whitehorse, along Rt 340 Terms by Jay A & Ruth Meck Auctioneer Steve Petersheim

SAT , MARCH 15 - 1 P M Sale of Bred Gilts, Open Gilts & Boars by the Pa Yorkshire Club Located at the Lebanon Fairgounds, Lebanon, Pa For information write or call Leon Arnold, Secretary Treasurer, Pa Yorkshire Club, Rt 7, Box 705, Lebanon, Pa 17042, 717-273-5880

SAT MAR 15 - 9 00 A M Public Sale of Farm Equipment, 13 miles SW of Chambersburg, Franklin Co , PA, 2 miles south of US Rt 30 on McDowell Rd Merle & Helen Bivens Owners J Robert Meyers Auctioneer

MON MAR 17 - Owen Mummau R D #2 Mt Joy, Pa North of Rt 230 along Grandview Rd Lancaster Co Pa Farm Equip and Livestock C H Wolgemuth Auct

SAT MARCH 21 - 6 30 P M Consignment of Feeder Cattle & Feeder Pigs at Keister's Middleburg Auction Sales, Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctioneer

SAT MARCH 22 - Public Auction of Modern Farm Machinery, Household Goods for Mr & Mrs Ralph Moyer, RD #4, Lebanon off Rt 322 South of Umbergers Mill in Fontana Harry H Bachman and Earl Buffenmeyer, Auctioneers

SAT , MARCH 22 - 9 A M Farm Equipment, Household Goods & Livestock Located approx 1 mile south of Muddy Creek, Corner of Muddy Creek Rd & Lausch Rd East Cocalico Twp , Lanc Co Terms by Martin N & Mary Hoover Elton & Alvin Horning Auctioneers HORNING FARM AGENCY, INC

MON , MAR 24 - M M Weaver & Sons, Inc Annual Public Auction of New and Used Farm Equipment located on North Groffdale Road, Leola, Pa John E and Paul E Martin, Auctioneer

SAT MARCH 29 - 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc , Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctionneer

APRIL

FRI APRIL 11 - 11 00 A M Horse Sale at New Holland Sales Stables, New Holland, PA

FRI EVE , APRIL 11 - C H Wolgemuth & Sons Special new tool sale Located at our place of business, 4 miles West of Manheim, Lancaster Co Pa Take Hosler Rd to Valley Rd Just North of Rt 283 and 10 Minutes from Lebanon Hershey turnpike exchange Exit 20

SAT APRIL 12 - C H Wolgemuth & Sons Annual All Day Consignment Sale Farm Equip Tractors, Etc Located 4 miles West of Manheim, Lancaster Co Pa Take Hosler Rd to Valley Rd Just North of Rt 283 and 10 Minutes from Lebanon-Hershey turnpike exchange Exit 20

FRI APR 18 - 6 30 P M Consignment Sale of Feeder Cattle & Feeder Pigs at Keister's Middleburg Auction Sales, Inc , Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctioneer

SAT APRIL 19 - 14th Colonial Charolais Spring Sale, at the Famers Livestock Exchange, Boonsboro, Md Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, Pa

FRI , APRIL 25 - 6 P M Sale of Bred Gilts, Open Gilts & Boars Located at the Lebanon Fairgrounds, Lebanon, Pa Sale by Leon, Lawrence, & Thomas Arnold For information write or call Leon Arnold, Rt 7, Box 705, Lebanon, Pa 717-273-5880

SAT APR 26 - 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc , Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Larry Long Auctioneer

MAY

FRI MAY 2 - 7 00 P M. Horse Sale at New Holland Sales Stables, New Holland, PA

SAT MAY 17 - 2 Great Sales in One - Royal Bull Sale & Spring Female Sale Located at the Royal Charolais Co , Greensburg, PA Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA

JUNE

SAT JUNE 21 - Colonial Invitational Heifer Sale Host farm Myers Charolais Farm, Clear Spring, Maryland Sponsor Colonial Charolais Association Sale manager Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067

AUGUST

SAT AUG 23 - Paramont Ranches Production Sale, at the ranch, Abingdon, VA Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, Pa , 19067

Columbus Discovered?

Venezuela was discovered by Columbus on his third voyage in 1498. It was later one of the first colonies in the New World to revolt against Spain (1810). Independence was finally achieved in 1821 under the leadership of Simon Bolivar, Venezuela's national hero and native son.

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PUBLIC AUCTION

FARM EQUIPMENT
NEW TRACTOR
FRIDAY, JANUARY 18
AT 12 NOON

10 miles northwest of Fogelsville, take Rt. 100 N from Fogelsville for 5 miles, turn west onto Holben Valley Rd. for approx. 5 miles, just past Lynnville, along the rd. to Kempton, Lehigh Co., PA.

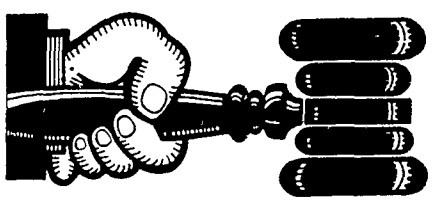
JD 4240 tractor w/Quad. range, 160 hrs.; Int. B-414 diesel w/3 pt., snow blade & chains, 1400 hrs.; JD 7000 zero till 4 row corn planter w/seed monitor, soybean & insecticide attach; JD 336 baler w/ejector; N. Idea 323 single row corn husker used 1 season; NH 477 haybine; NH 331 3 beater manure spreader; JD 1065-A running gear w/flotation tires & 8' x 18' Lamco metal pipe bale wagon; Int. #10 3 pt. 13 tube grain drill; Little Giant 24' bale elev.; Int. #8 flail chopper; Int. #14 hay rake; Int. #60 3 pt. disc.; Birch 7' offset transport disc.; JD 3 btm. 16" roll over plow; approx. 700 bales orchard grass.

AUCT. NOTE: most of equip. is like new.
TERMS: Cash or check, sale day.

Ordered by,
JER-LYNN FARMS

Refreshments served.

Conducted by,
RALPH W. ZETTLEMOYER AUCTION CO.



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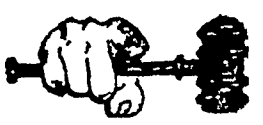

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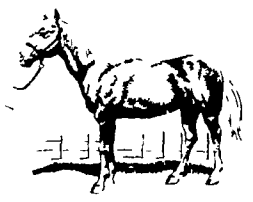
COWS MULES HORSES



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SOME GOOD PUREBRED STOCK BULLS.
WE HAVE SEVERAL GOOD BIG FANCY PAIRS OF MULES.
ALSO SOME GOOD TEAMS OF HORSES.

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Dennis Kolb, Mgr.

MEL KOLB
Res. 717-393-7569

Maryland Farm
Woodsboro, MD
301-898-7720 or
898-7663
Tom Miller, Mgr.

MONTHLY COW SALE AT LANCASTER
1ST THURSDAY, FEBRUARY 7th
12:00 NOON

MONTHLY COW SALE AT MARYLAND
3RD THURSDAY (JAN. 17)
AT 12:00 NOON

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.
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TWO NEW OCTANE PRODUCTS JOIN THE PERFORMANCE TEAM

Approximately three years ago Ralston Purina released revolutionary new growing and finishing rations called High Octane Hog Chows. They were based on several major nutrition discoveries by Purina Swine Research.

Today, you can take advantage of the High Octane breakthrough from the very moment pigs are farrowed ... a lactation ration ... a pre-starter ration ... a starter ration, and the already well-established growing and finishing Hog Chows.

So now you can go all the way with Purina High Octane Chows. Four feed products known as ... The High Octane Performance Team.

	WHAT THEY NEED	WHAT WE PROVIDE
NEW SUPER PALATABLE FARROWING CHOW® easier, safer farrowing	**FARROWING** ■ Laxative feed for easy, safe farrowing. ■ Appetite satisfaction. ■ Medication to reduce scours-causing organisms. ■ Low-energy, bulky ration to reduce incidence of MMA.	**FARROWING** ■ Special laxative ingredients to prevent constipation. ■ Palatable formula to satisfy appetite. ■ Medication with high activity against scours-causing salmonella types of organisms. ■ Low-energy, bulky, pelleted formula.
NEW HIGH OCTANE® LACTATION CHOW® COMPLETE more milk, stronger sows	**LACTATION** ■ Help in producing lots of better-quality milk, even in hot weather. ■ Sufficient nourishment to wean heavier litters without excessive sow weight losses. ■ High nutrient levels which prevent sows from robbing their muscle tissues and bones to make milk.	**LACTATION** ■ High nutrient density to support production of superior quality and quantity of milk. ■ Correct balance of energy, amino acids, vitamins and minerals needed to wean heavier litters. ■ Necessary nourishment needed to prevent body-robbing and excessive weight losses.
HIGH OCTANE® BABY PIG CHOW® starts 'em right	**NEWBORN PIGS** ■ High palatability. ■ Excellent digestibility. ■ Correct ingredients needed to supplement sow's milk and promote fast, early growth. ■ High nutrient concentration to accommodate the pig's small stomach.	**NEWBORN PIGS** ■ Attractive aroma and great taste appeal, specially packaged to seal in freshness. ■ Ingredients specifically chosen for easy digestibility...combined into a small particle size. ■ Proper balance of nutrients needed to promote fast, early growth while nursing. ■ High nutrient density formula designed to ensure every ounce gives pigs a real boost.
HIGH OCTANE® PIG STARTENA® you can see the difference	**15 to 50 LBS.** ■ Good palatability. ■ High digestibility. ■ Plenty of nutritional power. ■ Help in fighting disease and stress.	**15 to 50 LBS.** ■ Special ingredients selected for tastiness and good aroma combined with "ett" form for easy eating. ■ High biological availability of nutrients for easy digestibility. ■ High nutrient density balance of energy, amino acids, vitamins and minerals needed for improved growth and reduced conversion. ■ High level antibacterial drug to reduce effects of stress and help prevent disease.

FEED PURINA - For Better Profits And Better Pigs

I Would Like More Info On:
☐ Fattening Program ☐ Farrow to 50 Program
☐ KLEENLEEN Breeding Stock

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Box 366 S
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